

Service Manual

VECTOR SIGNAL GENERATOR SMIQ02B/03B/04B/06B

10125.5555.02/03/04/06

Volume 2 Service manual consists of 4 volumes

Printed in the Federal Republic of Germany

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Safety Instructions

This unit has been designed and tested in accordance with the EC Certificate of Conformity and has left the manufacturer's plant in a condition fully complying with safety standards.

To maintain this condition and to ensure safe operation, the user must observe all instructions and warnings given in this operating manual.

Safety-related symbols used on equipment and documentation from R&S:



Observe operating instructions



Weight indication for units >18 kg



PE terminal



Ground terminal



Danger! Shock hazard



Warning! Hot surfaces



Ground



Attention! Electrostatic sensitive devices require special care

- The unit may be used only in the operating conditions and positions specified by the manufacturer. Unless otherwise agreed, the following applies to R&S products:
 - IP degree of protection 2X, Pollution severity 2, overvoltage category 2, altitude max. 2000 m. The unit may be operated only from supply networks fused with max. 16 A.
- For measurements in circuits with voltages V_{ms} > 30 V, suitable measures should be taken to avoid any hazards.
 - (using, for example, appropriate measuring equipment, fusing, current limiting, electrical separation, insulation).
- If the unit is to be permanently wired, the PE terminal of the unit must first be connected to the PE conductor on site before any other connections are made. Installation and cabling of the unit to be performed only by qualified technical personnel.
- 4. For permanently installed units without built-in fuses, circuit breakers or similar protective devices, the supply circuit must be fused such as to provide suitable protection for the users and equipment.
- 5. Prior to switching on the unit, it must be ensured that the nominal voltage set on the unit matches the nominal voltage of the AC supply network. If a different voltage is to be set, the power fuse of the unit may have to be changed accordingly.
- Units of protection class I with disconnectible AC supply cable and appliance connector may be operated only from a power socket with earthing contact and with the PE conductor connected.

- It is not permissible to interrupt the PE conductor intentionally, neither in the incoming cable nor on the unit itself as this may cause the unit to become electrically hazardous.
 - Any extension lines or multiple socket outlets used must be checked for compliance with relevant safety standards at regular intervals.
- 8. If the unit has no power switch for disconnection from the AC supply, the plug of the connecting cable is regarded as the disconnecting device. In such cases it must be ensured that the power plug is easily reachable and accessible at all times (length of connecting cable approx. 2 m). Functional or electronic switches are not suitable for providing disconnection from the AC supply.
 - If units without power switches are integrated in racks or systems, a disconnecting device must be provided at system level.
- Applicable local or national safety regulations and rules for the prevention of accidents must be observed in all work performed.
 - Prior to performing any work on the unit or opening the unit, the latter must be disconnected from the supply network.
 - Any adjustments, replacements of parts, maintenance or repair may be carried out only by authorized R&S technical personnel.
 - Only original parts may be used for replacing parts relevant to safety (eg power switches, power transformers, fuses). A safety test must be performed after each replacement of parts relevant to safety.
 - (visual inspection, PE conductor test, insulationresistance, leakage-current measurement, functional test).

continued overleaf

Safety Instructions

- Ensure that the connections with information technology equipment comply with IEC950 / EN60950.
- 11. Lithium batteries must not be exposed to high temperatures or fire.

 Keep batteries away from children.

 If the battery is replaced improperly, there is danger of explosion. Only replace the battery by R&S type (see spare part list).

 Lithium batteries are suitable for environmentally-friendly disposal or specialized recycling. Dispose them into appropriate containers, only.

Do not short-circuit the battery.

- Equipment returned or sent in for repair must be packed in the original packing or in packing with electrostatic and mechanical protection.
- 13. Electrostatics via the connectors may damage the equipment. For the safe handling and operation of the equipment, appropriate measures against electrostatics should be implemented.
- 14. Any additional safety instructions given in this manual are also to be observed.

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Contents

\ /	lume	_ 4
\mathbf{u}	uuna	
v u		- 1

Volume 1
6 Repair Instruction
7 Testing and Repair of Modules
Front Module with Controller MOD 10
Volume 2
7 Testing and Repair of Modules
6 GHz Extension
Volume 3
7 Testing and Repair of Modules
Attenuator 3 GHzRegister 1
N/D Simulator Register 2
Power SupplyRegister 3
Fan UnitRegister 4
Connector board Register 5
Option Reference Oscillator OCXO SM-B1Register 6
Option FM-Modulator SM-B5 (SMIQ02B/03B only)Register 7
Volume 4
7 Testing and Repair of Modules
Option Modulation Coder SMIQ-B20Register 1
Options Data Generator SMIQ-B11 and Memory Extension SMIQ-B12 Register 2

Option Fading Simulator SMIQ-B14 and SMIQ-B15 (SMIQ02B/03B only)...... Register 3

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SERVICE DOCUMENTS

E 6 GHZ Board

1084.9600.00

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Contents

7	T	esting a	and Repair of the Board	4
	7.1	Functi	on Description	4
		7.1.1	Input REF600	4
		7.1.2	Input IO300	4
		7.1.3	IF900 - IF Signal of Mixer2	5
		7.1.4	LO Conditioning for Mixer 1	5
		7.1.5	RF Path at IF Ouput of Mixer1	5
		7.1.6	Filter Bank	5
		7.1.7	RF Level Control	6
		7.1.8	Diagnosis	6
	7.2	Measur	ing Instruments and Auxiliary Means	6
	7.3	Troubl	eshooting	6
		7.3.1	RF Level	7
		7.3.2	Spectral Purity of Output Signal IQOUT6	8
	7.4	Testin	g and Adjustment	8
		7.4.1	Testing the Data Transmission	8
		7.4.2	Testing the Reference Voltages	9
		7.4.3	Testing the Operating Points of the Amplifier Stages	9
		7.4.4	Testing the Switching Voltages of RFSWITCH 1 1	L 0
		7.4.5	Testing the Switching Voltages of RFSWITCH 2 1	٠0
		7.4.6	Testing the Tuning Voltages 1	٠.0
		7.4.7	Testing the RF Signal Paths 1	. 1
		7.4.8	Adjusting the Drain Current of A510 in the POWER UNIT. 1	_1
		7.4.9	Adjusting the Reference 10 V	L 1
		7.4.10	RF-DC-ZERO Adjustment at Output Detector 1	r .
		7.4.11	Adjusting the RF Level Linearity	L Z
		7.4.12	Adjusting the IF900 Level	L Z
		7.4.13	Calibration of the Tunable Filters	L /
		7.4.14	Tables and Interfaces	L
			.14.1 Diagnosis	1 C
			.14.2 Serial Data (Subaddress 1)	
	7.5		embly and Assembly	
	7.6	Extern	al Interfaces	L/

Parts list Coordinates list Circuit diagram Component location plan

7. Testing and Repair of the Board

7.1. Function Description

The E6GHZ board extends the frequency range of the SMIQ03 by the range 3300 to 6400 MHz.

The IQ300 signal at X504 from the IQMOD module (300 MHz, IQ-modulated) is up-converted to 900 MHz using MIXER2 (IF900). Unwanted mixer products at the output of MIXER2 are filtered off by means of bandpass filters.

The REF600 signal at X502 from the reference/step synthesis (600 MHz) is doubled and serves as LO for MIXER2 (1200 MHz).

MIXER1 converts IF900 to the range 3300 to 6400 MHz. The LO signal (4200 to 6000 MHz) for MIXER1 is generated by doubling the FIQOUT signal of the IQMOD at X505.

Unwanted mixer products at the output of MIXER1 are suppressed by means of bandpass filters and a switched filter bank containing bandpass filters and tunable highpass and lowpass filters in 4 paths.

A level control element (LEVEL PRESET) preceding the filter bank permits to set the operating point of the amplitude modulator(instrument calibration routine Level Preset). Following the filter bank, the output level of the instrument is set by the amplitude modulator.

The thin-film unit POWERUNIT includes the output stage and a detector, which detects the output level of the instrument for the frequency range 3300 to 6400 MHz. There, the signal from the IQMOD (FIQOUT at X505) is also directly through-connected to the module output (IQOUT6 at X506) for frequencies < 3300 MHz.

7.1.1. Input REF600

The REF600 signal at X502 (600 MHz, 13 dBm) is split up via a power divider, taken via an amplifier and again provided as output signal at X501 REF600E for IQMOD (600 MHz, 13 dBm) and doubled as LO signal for MIXER2 to 1200 MHz, filtered and amplified to a controlled LO level of 17 dBm.

7.1.2. Input IQ300

The IQ300 signal at X504 (300 MHz, -9 dBm) is split up via a power divider, taken via an amplifier and again provided as output signal at X503 IQ300AUX (300 MHz, -9 dBm) and is used as RF signal for MIXER2 (level -12 dBm).

7.1.3. IF900 - IF Signal of Mixer2

The IF signal of MIXER2 (900 MHz) is filtered and amplified and taken to the RF connector of MIXER1 (level -12 dBm). The RF level at X2 is adjusted to -12 dBm by means of LEVEL IF900 (R848).

7.1.4. LO Conditioning for Mixer 1

For LO conditioning, the FIQOUT signal is doubled by the POWERUNIT at X9 from 2100 to 3000 MHz to 4200 to 6000 MHz. For suppression of subharmonics, the lowpass filter LP5100 is cut in at frequencies at FIQOUT < 5100 MHz. A level control ensures a constant LO level at X1 (17 dBm).

7.1.5. RF Path at IF Output of Mixer1

The mixer output signal (-18 dBm) is taken via amplifiers and filters to the level preset control element and via the filter bank and the AM modulator to the input X6 of the POWERUNIT. The amplifier stages have a gain (S21) of approx. 8 dB each, thus compensating for the filter attenuations.

7.1.6. Filter Bank

The tunable filters are set according to the frequency; the necessary data is determined in the module test in the production and contained in the EEPROM of the module.

Each tracking filter is driven by a tuning voltage. IQFILT1 and IQFILT2 drive the lowpass filters, IQFILH1 and IQFILH2 the highpass filters. In the deactivated filter paths, the respective lowpass filters are set to minimum and the highpass filters to maximum tuning voltage via selector switches (0 or 20 V).

The four control bits FILOFF1 to FILOFF4 check the selector switches and the ON/OFF functions of the filter paths.

There are four frequency ranges:

Frequency range	SMIQ output frequency	FIQOUT from IQMOD	LO frequency Mixer 1	Sideband	Control signal LP5100_ON
FB1	3300 to 4200 MHz	2100 to 2550 MHz	4200 to 5100 MHz	lower	L
FB2	4200 to 5100 MHz	2550 to 3000 MHz	5100 to 6000 MHz	lower	H
FB3	5100 to 6000 MHz	2100 to 2550 MHz	4200 to 5100 MHz	upper	L
FB4	6000 6400 MHz	2550 2750 MHz	5100 5500 MHz	upper	Н

7.1.7. RF Level Control

The command value for the amplitude modulation (f > 3.3 GHz) and the level control is applied to the module via X500.A2 UREFAM. At frequencies < 3.3 GHz, the control bit AM_ON switches over to a command value generated on the module, since the amplitude modulation is already generated on the IQMOD module. The temperature-compensated and linearized detector output voltage is applied as actual value to the control amplifier N29, which drives the AM modulator.

The level linearity is adjusted using trimmers RF DC ZERO (R394) and DETECTOR OFFSET (R173). The nominal value for the level control is set via D/A converter D2. The control bandwidth is switched over via control bit AM_SLOW_ON. For the IQ mode or in the operating mode "ALC OFF MODE TABLE", the AM modulator is controlled by the level D/A converter (ALC_ON = Low, DETOUT_ON = Low), N29 will then operate as amplifier.

7.1.8. Diagnosis

Diagnosis voltages determined via RF rectifiers feature large tolerances and can only be used as indicators (RF level present / not present). RF test points without directional couplers do not detect the forward power, but the RF voltage, which is to a large extent dependent on the matching (impedance) and therefore features large fluctuations versus the frequency.

7.2. Measuring Instruments and Auxiliary Means

DC voltmeter, ammeter (e.g. UDS5)
RF power meter (e.g. NRVD)
RF spectrum analyzer up to 20 GHz (e.g. FSM)
RF network analyzer up to 8 GHz (e.g. ZVC)

7.3. Troubleshooting

For first error diagnosis it is recommended to use the test program included in the service kit, which offers comprehensive possibilities.

Before starting more detailed troubleshooting in the RF paths, it is recommended to check the serial interface for correct data transmission and the diagnosis, reference, operating point and control voltages for the correct value.

7.3.1. RF Level

Error message:

ALC LOOP FAILURE

First check at which frequencies the level control does not work. To this end, check the frequency ranges FB1 to FB4 of the filter bank.

No level

or

Check control voltages of the LO level control loops.

fault during
Level Preset calibration
at frequencies > 3.3 GHz

Check diagnosis voltages of the RF test points.

Check detector and control amplifier.

Perform RF level adjustment

Level cannot be varied at all frequencies > 3.3 GHz

Check detector, level D/A converter and control amplifier

No level in only one frequency range FB1 to FB4 of the filter bank

Fault at RF-SWITCH1 or RF-SWITCH2, missing or faulty control voltage of tunable filters. Check the RF chain of the filter bank using network analyzer

Level linearity out of tolerance

Perform adjustment

7.3.2. Spectral Purity of Output Signal IQOUT6

Too small harmonics

Check operating point of RF amplifier in POWERUNIT, harmonics at X6, operating points of amplifiers in RF path.

Too small spurious responses at Chip of switch or switch $fnw = 0.5*(fRF \pm 900 MHz)$

control in POWERUNIT faulty, braided cord in upper module cover in the area of the POWERUNIT missing.

300 MHz from carrier

Too small spurious responses at LO level of MIXER1 is faulty, bandpass filters in the IF900path faulty

Too small spurious responses at Module cover does not fit 600 kHz from carrier

tightly, bandpass filters in the LO 1200 path faulty

900 MHz from carrier

Too small spurious responses at LO suppression by the tracking or permanent filters of the filter bank is insufficient. Determine the faulty frequency range of the filter bank FB1 to FB4, check the tuning voltages, measure from X4 to X8 using network analyzer.

7.4. Testing and Adjustment

All measured values with no tolerance indicated are meant to be understood as reference values.

Plug the board onto the adapter included in the service kit and set up the RF connections. The adapter can then be plugged into the chassis together with the board.

Before carrying out any tests, set the instrument to a defined initial status by means of PRESET.

7.4.1. Testing the Data Transmission

The board is addressed via the serial interface. Subaddress 1 is used for the data transmission,. Subaddress 2 is used for reading and writing to the EEPROM, which contains calibration data for the filter control.

Testing: When changing between the frequencies f1 < 3.3 GHz and f2 > 3.3 GHz, the bit SWE6-ON at D14/4 must change between low and high.

7.4.2. Testing the Reference Voltages

Test point	Nominal value/V
X20.3	10 ± 0.010
X20.2	-10 ± 0.010
X20.1	4.55 ± 0.02

7.4.3. Testing the Operating Points of the Amplifier Stages

Use a DC voltmeter to check the voltages. Measure at the collector or drain connector.

Circuit diagram sheet	Amplifier	Component No.	Ic/mA	υ/ν
3	RFAMP23	N38	70	· 4.9 ± 0.1
3	RFAMP24	N39	70	4.9 ± 0.1
4	RFAMP25	V19	58	4.4 ± 0.1
4	RFAMP26	V20	58	4.4 ± 0.1
5	RFAMP27	V87	62	4.4 ± 0.1
5	RFAMP28	V91	127	4.7 ± 0.1
5	RFAMP28	V91/UG2		-40.5
6	RFAMP29	N3	80	4.8 ± 0.1
8	RFAMP30	N4	80	4.8 ± 0.1
9	RFAMP2	N15	100	5.25 ± 0.1
10	RFAMP3	N17	75	5 ± 0.1
12	RFAMP4	N14	83	2.8 ± 0.2
12	RFAMP5	V90	140	7.1 ± 0.1
13	RFAMP6	N25	80	3.4 ± 0.2
14	RFAMP7	V92	93	7.1 ± 0.1
14	RFAMP7	V92/Gate		-20.5
17	RFAMP9	N22	80	3.4 ± 0.2
18	RFAMP10	N23	80	3.4 ± 0.2
19	RFAMP11	N18	80	3.4 ± 0.2
20	RFAMP12	N19	80	3.4 ± 0.2
21	RFAMX16.1	N20	80	3.4 ± 0.2
22	RFAMP14	N21	80	3.4 ± 0.2
23	RFAMP15	N24	80	3.4 ± 0.2
24	RFAMP16	N9	80	3.4 ± 0.2
26	RFAMP19	V94	93	7.1 ± 0.1
27	RFAMP20	V95	93	7.1 ± 0.1
28	RFAMP22	N37		3.4 ± 0.2
29	POWER UNIT Vcc	P11	500	7.3 ± 0.2
29	POWER UNIT Vgg	P12		-50.5

7.4.4. Testing the Switching Voltages of RFSWITCH 1

Use a DC voltmeter to check the voltages. (Tolerance \pm 0.3 V)

	Test point	Filter OFF	FB1 on	FB2 on	FB3 on	FB4 on
SYNFIL 0	C891	4.42	4.18	-1.65	-1.65	4.55
SYNFIL 1	C753	9.80	-0.76	9.80	9.80	9.80
SYNFIL 2	C892	-10.00	-10.00	3.30	-10.00	-10.00
SYNFIL 3	C757	9.83	9.83	9.83	-3.30	9.83
SYNFIL 4	C755	-10.03	-10.03	-10.03	-10.03	6.21

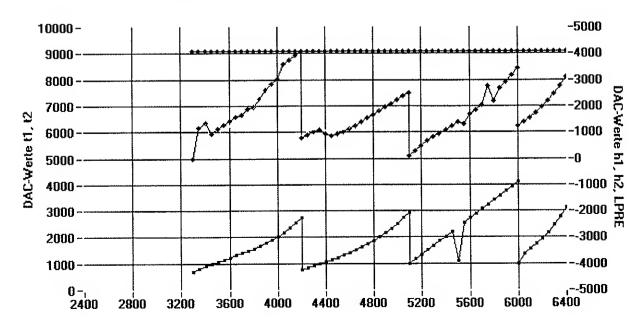
7.4.5. Testing the Switching Voltages of RFSWITCH 2

Use a DC voltmeter to check the voltages. (Tolerance \pm 0.3 V)

****	Test point	Filter OFF	FB1 on	FB2 on	FB3 on	FB4 on
SYNFIL ON	C895	-1.67 V	-1.67 V	4.22 V	4.58 V	-1.67 V
SYNFIL 1N	C894	-9.82 V	3.34 V	-9.82 V	-9.82 V	-9.82 V
SYNFIL 2N	C899	9.97 V	9.97 V	-0.76 V	9.97 V	9.97 V
SYNFIL 3N	C898	-9.83 V	-9.83 V	-9.83 V	6.24 V	-9.83 V
SYNFIL 4N	C897	10.05 V	10.05 V	10.05 V	10.05 V	-3.32 V

7.4.6. Testing the Tuning Voltages

The diagram shows general characteristics of the tuning voltages. Individual calibration data may deviate from this curve; usually, there are deviations from the smooth tuning characteristics because of the calibration process. The upper curves show IQFILH1 and IQFILH2, the lower ones IQFILT1 and IQFILT2 (identical in this case). All 4 voltages can be read out via the diagnosis (Udiag = 20V * DACWERT/4095).



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7.4.7. Testing the RF Signal Paths

The module accommodates SMP or MMCX test connectors X1 to X9. At these coaxial interfaces, matching and gain can be measured using a network analyzer, for example. For this purpose, the coupling capacitor, which is located at this place in the signal path, must be soldered from the desired input or output to the test connector. In addition to a number of coupling capacitors in the signal path, there are grounded through-connections (GND). There, it is possible, e.g. to solder in a coaxial cable and connect its inner conductors to the signal path. For specifications of nominal gain or nominal level please refer to the block diagram. Sparameter measurements in the frequency range 3 to 6 GHz require extensive equipment and knowledge. Therefore, such measurements should only be performed by trained personnel.

7.4.8. Adjusting the Drain Current of A510 in the POWER UNIT

Cut in the ammeter at X14.1 - X14.2. Use trimmer R172 to adjust the current to 500 \pm 5 mA.

7.4.9. Adjusting the Reference 10 V

Use trimmer R608 to adjust to 10 V \pm 0.001 V at the test point $\times 20.4$.

7.4.10. RF-DC-ZERO Adjustment at Output Detector

Remove jumper at X14.1-X14.2, set the voltage at X16.1 (reference X16.2) to -17 mV \pm 0.5 mV using potentiometer R394, plug in the jumper at X14.1-X14.2.

7.4.11. Adjusting the RF Level Linearity

Instrument settings: PRESET, RF 3301 MHz, LEVEL 2.1 dBm, LEVEL/LEVEL/ATTENUATOR MODE FIXED.

Connect power sensor of power meter to RF connector of SMIQ. Save the measured value as reference value on the power meter and select the Δ dB display. Set LEVEL -18.1 dBm.

Use potentiometer R173 to adjust the DETECTOR OFFSET to 20-dB drop on the power meter.

By adjusting alternately using potentiometer R173 and potentiometer R394 (RF-DC-ZERO), the level deviation from the nominal value can be minimized in the level range -20 dBm to 13 dBm.

7.4.12. Adjusting the IF900 Level

Remove the module, unscrew the screening cover. Unsolder the coupling capacitor C663 from the signal path and solder in such that R625 is connected to X2.

Place the module onto the service adapter, set up the RF connections, install the adapter into the instrument. Make sure to allow for sufficient cooling of the module, since the cooling effect of the screening covers and the air current is missing.

Instrument setting PRESET, RF 3301 MHz.

Connect a power meter to X2 and measure the level (f = 900 MHz). Adjust the RF level at X2 to -12 dBm using LEVEL IF900 (R848).

7.4.13. Calibration of the Tunable Filters

The filters are calibrated in the factory in the module pretesting. This is necessary when replacing tuning diodes in the tunable filters or the EEPROM.

7.4.14. Tables and Interfaces

7.4.14.1. Diagnosis

RF: Diagnosis voltage determined via RF rectifier.

IR: Interrupt at processor when the permissible thresholds are exceeded.

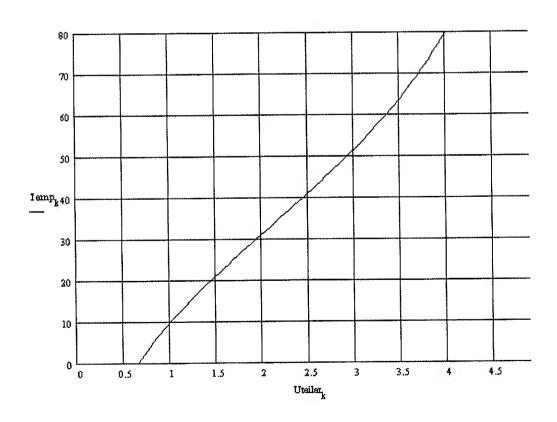
TF: Division factor (corresponds to voltage divider ratio at test point).

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	Diagnosis multiplexer	D27:				
Diag. point SMIQ	Test point	Туре	IR	Umin/ Volt	Umax/ Volt	TF
10 2400	Reference 10 k Ω	DC		-10m	+10m	1
11 2401	VDETOUT Output level of module	RF		0	10	4
12 2402	UTEMP	DC		0	5	1
13 2403	Free					
14 2404	IQFILT1 tuning voltage LP tracking filter	DC		0	. 20	5
15 2405	IQFILT2 tuning voltage LP tracking filter	DC		0	20	5
16 2406	IQFILH1 tuning voltage HP tracking filter	DC		0	20	5
17 2407	IQFILH2 tuning voltage HP tracking filter	DC		0	20	5

	Diagnosis multiplexer	D25:				
Diag. point SMIQ	. Test point	Туре	IR	Umin/ Volt	Umax/ Volt	TF
20 2408	Control voltage for level preset	DC		0	10	3
21 2409	Level ahead of filter bank	RF		0		3
22 2410	Level ahead of AM Mod.	RF		0		3
23 2411	Level ahead of POWERUNIT	RF		0		3
24	IF900 Level	RF		0		3
25 2413	AM control voltage	DC	IR	-15	15	3
26 2414	LO-MIXER1 control voltage	DC	IR	-15	15	3
27 2415	LO-MIXER2 control voltage	DC	IR	-15	15	3

Module temperature vs. Udiag12 (SMIQ diagnosis No. 2402):



7.4.14.2. Serial Data (Subaddress 1)

Byte	Bit	Designation	Function		Cont	rol logi	Lc	
11	7 6 5 4 3	free free free free FILOFF4 FILOFF3		HEX OE 1	code: 0D 1 1	0B 1 0	07 0 1	0F 1 1
	1 0	FILOFF2 FILOFF1		1 0	0 1	1 1	1 1	1 1
10 9	7 4	IQFIL_H2	Tuning voltage 2 of highpasses	MSE LSE			•	
9 8	3	IQFIL_H1	Tuning voltage 1 of highpasses	MSE				
7 6	7	IQFIL_T2	Tuning voltage 2 of lowpasses	MSE				
6 5	3 0	IQFIL_T1	Tuning voltage 1 of lowpasses	MSE LSE				
4	7	BLANK_ENA	Function of BLANK line	0	active deactivat	:ed		
	6	BLANK_INV	Polarity of BLANK line	0	Blanking Blanking			
	5	DETOUT_ON	Switch for detector output	cor	ector con stroller a LC ON) ALC OFF			
	4	AM_SLOW	Switchover of ALC control bandwidth	0	ALC conti			
	3	ALC_ON	Switchover between CW and IQ mode/ level control from table		ALC ON: According to the control of	on. Automat		
	2	AM_E6	Level reference voltage	0	AM signal 6-V referred from model	rence fo	r RF le	
	1.	LEV_OFF	Level reduction	1 0	Level of Level on			
	0	SWE6_ON	controls signal path in POWER UNIT	0	Frequency 3.3 to 6 Frequency 0.3 to 3	.4 GHz y range		

Byte	Bit	Designation	Function	Control logic
3	7	LEVEL [12]	Level	Bit 11
2	4		setting	Bit 0
2	3	LEVEL	Level	Bit 11
1	0	PRESET [12]	Preset	Bit 0
0	7	LOSYN_OFF	Switch for	1 LO off (0.3 to 3300 MHz)
			LO Mixer1	0 LO on (3.3 to 6.4 GHz)
	6	LO-MIXER2	Switch for	1 LO off (0.3 to 3300 MHz)
		_OFF	LO Mixer2	0 LO on (3.3 to 6.4 GHz)
	5	free	Selection	
	4	DMUX_2	diagnosis	0 DMUX1 1 DMUX2 . 0 off
	3	DMUX_1	multiplexer	1 0 0
	2	AMUX_2	Address	MSB
	1	AMUX_1	diagnosis	Address 0 to 7
	0	AMUX_0	multiplexer	LSB

7.5. Disassembly and Assembly

After opening the instrument, unlocking the module and loosening the RF connections, the module can be taken out of its slot. The screening covers of the module are fastened with screws; loosen the screws of the upper cover first and tighten them last.

For mounting the POWERUNIT observe the mounting instructions (see component location plan).

7.6. External Interfaces

Signal name	from module	Signal data	Remark
IQ300	IQMOD (IQAUX)	300 MHz ± 50 MHz for IQ modulation -9 dBm ± 0.1 dB 50 ohms S11 < -15 dB	
REF600	Reference/ step synthesis	600 MHz 13 dBm ±1 dB 50 ohms S11 < -15 dB	
VREFAM	IQMOD	DC 100 kHz 6 VDC ± (AM * 6 V)	Modulation signal for AM
FIQOUT	IQMOD	IQ/CW 0.3 to 3300 MHz -15 to +16 dBm	F < = 3300 MHz: IQMOD signal is through-connected to attenuator
		CW 2100 to 3000 MHz 13 dBm 50 ohms	F > 3300 MHz: IQMOD in CW mode
	to module		
XUA00EQI	Instrument rear	300 MHz ± 50 MHz for IQ modulation 50 ohms S11 < -15 dB S22 < -20 dB	IQ300 through- connected, P(IQ300) ± 0.5 dB
REF600E	IQMOD	600 MHz from REF600 through- connected 50 ohms S22 < -15 dB	REF600 through- connected, P(REF600) ± 0.5 dB
IQOUT6	Attenuator	IQ/CW 0.3 to 3300 MHz: -17 to +16 dBm IQ 3300 to 6400 MHz: -15 to +16 dBm 50 ohms \$22 < -15 dB	through-connected signal, approx. 2 dB attenuation

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Schaltteillisten numerisch geordnet

Part lists in numerical order

Listes des pièces détachées par numéros de référence

		1

behalten	
Unterlage	
diese	
Fü	

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		INCLUDED IN										
	C38	SMD CERAMIC CAP XX ENTHALTEN IN	ACI									
	C35	SMD CERAMIC CAP	ACI	TOR			4697.00			05X7R333K25VAT		
	C36	SMD-CERAMIC-CAP CC 33NF+-10% 25	ACI	TOR			4697.00			05X7R333K25VAT		
	C35	SMD CERAMIC CAP	ACI	TOR			4721.00			39C0G***F50ZPT		
	C33 C34	SMD-CERAMIC-CAP	ACI	TOR			4697.00			05X7R333K25VAT		
	C32	CC 33NF+-10% 25 SMD CERAMIC CAP CC 18PF+-1% 50	ACI	TOR			3622.00			39CDG***F50ZPT		
-	C31	CC 33NF+-10% 25 SMD CERAMIC CAP	ACI	TOR			4697.00 4697.00			05X7R333K25VAT		
	C30	CB 220PF 25V O, EMI SUPPRESSION	FI		000		2245.00			40R11C221 D5X7R333K25VAT		
	C29	CC 3,9PFO,1PF50	ACI	TOR	CC		4509.00			39CDG***B50ZPT		
	C28	CB 220PF 25V 0, EMI SUPPRESSION	FΙ				2245.00			40R11C221		
	C27	SMD-CERAMIC-CAP	ACI		CC		3622.00			39CDG***F50ZPT		
	C26	CC 1PF+-0,1PF50' SMD-CERAMIC CAP	AÇI	TOR			2060.00			3 5J 1RO BAW TR		
	C25	CC 10NF+-10% 50 SMD-CERAMIC-CAP	ACI	TOR			4844.00			39X7R***K5C500PT*		
	C24	CB 220PF 25V 0,2 EMI SUPPRESSION	2A	1205			2245.00			40R11C221		
×	C23	CB 220PF 25V 0,: EMI SUPPRESSION	2A	1205			2245.00			10R11C221		
wir uns alle Rechte vor.	C22	CC 33NF+-10% 25 SMD CERAMIC CAP	V H	DK 0603	CC		4697.00			05X7R333K25VAT		
e Rec	C21	CC 5,6PFO,1PF50\SMD-CERAMIC-CAP	V N	PO 0603	CC	0009.	4521.00	MURATA		39COG***B50ZPT		
hte vc	C20	CC 0,5PF+-0,05PF SMD-CERAMIC CAPA	ACI	0603 TOR			7137.00			3 5J *** AAW TR		
اي	C19	CB 220PF 25V 0,2 EMI SUPPRESSION	2A	1205			2245.00			10R11C221		
	C18	CC 5,6PFO,1PF50\ SMD-CERAMIC-CAP	√ NI	PO 0603	CC	0009.	4521.00	MURATA		B9COG***B5OZPT		
	C17	CC 5,6PFO,1PF50\ SMD-CERAMIC-CAPA	/ N	PO 0603	CC	0009.	4521.00	MURATA		39COG***B5OZPT		
	C16	CC 33PF+-1% 50\ SMD-CERAMIC-CAPA	/NP(0_0603	'		3639.00			39COG***B50ZPT		
١	C13		INV	PO 0603	СС	0009.	8256.00	MURATA	GRM3	39COG***F50ZPT		ı
l	C12	CC 10P+-0,1PF50\ SMD-CERAMIC-CAPA	/ NI	PO 0603	СС	0009.4	4567.00	MURATA		99COG***B50ZPT		
	C11	CC 3,3PF 0,1PF 5	50V	NPO 06			8285.00			89C0G***B50ZPT		
	C10	CC 3,9PFO,1PF50\ SMD-CERAMIC-CAPA	/ N	0603	СС	0009.4	4509.00	MURATA		9COG***B50ZPT		
	С9	CC 3,9PFO,1PF50\ SMD-CERAMIC-CAPA	/ NE	0603	СС	0009.4	4509.00	MURATA		89C0G***B50ZPT		
	СВ	CE 33UF 20% 25V SMD ELECTROLYTIC		AL SMD		0009.	5592.00	PANASONIC	EEV	HB 1E 330P		I
	C7	CE 33UF 20% 25V SMD ELECTROLYTIC		AL SMD		0009.5	5592.00	PANASONIC	EEV	HB 1E 330P		
	C6	CC 33NF+-10% 25V SMD CERAMIC CAPA	/ H[OK 0603	СС	1051.4	4697.00	AVX	CM10	5X7R333K25VAT		
	C5	SMD-CERAMIC-CAPA CC 33NF+-10% 25V SMD CERAMIC CAPA	/ HC	OK 0603	СС	1051.4	4697.00	AVX	CM10	5X7R333K25VAT		
	C4	CC 10NF+-10% 50)VHI	OK 0603	СС	0009.4	4844.00	MURATA	GRM3	9X7R***K5C500PT*		
	СЗ	SMD CERAMIC CAPA CB 22OPF 25V 0,2 EMI SUPPRESSION	AS	1205		1085.2	2245.00	MURATA	NFM4	OR 1 1C221		
	C2	CC 33NF+-10% 25V	HE	OK 0603	CC	1051.4	4697.00	AVX	CM10	5X7R333K25VAT		
١	C1	CC 0,3PF+-0,05PF SMD-CERAMIC CAPA	: . C T T		СС	0010.7	7114.00	AVX	0603	5J *** AAW TR		
	A1	BD POWER UNIT				1084.9	500.02					
ſ	•	XX VARIANTENERKL IDENTIFICATION C										
	Comp. No.	Designation	1			310CX	NO.	Mendiactores	202	191111111	}	

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	Comp. No.	Designation	n			Stack No.	Manufacturer		gnation	containe	ig in	Γ
Γ	C39	CC 10NF+-10% 5			CC	0009.4844.00	MURATA	GRM39	9X7R***K5C500PT*			
	41 C42	SMD-CERAMIC-CAP. CB 220PF 25V O.	2A	1205		1085.2245.00	MURATA	NFM40	OR11C221			
١	44 C45	EMI SUPPRESSION CC 2,7PF0,1PF50	FIL N V	_TER PO 0603 0	CC	0009.8291.00	MURATA	GRM39	9C0G***B50ZPT			
	C46	SMD-CERAMIC-CAP CC 33NF+-10% 25	ACIT V H	TOR OK 0603 (0	СС	1051.4697.00	AVX	CM105	5X7R333K25VAT		Λ	
١	C47	SMD CERAMIC CAP CC 33NF+-10% 25	V H	OK 0603 (CC	1051.4697.00	AVX	CM10	5X7R333K25VAT			
	C48	SMD CERAMIC CAP CB 220PF 25V O,		TOR 1205		1085.2245.00	MURATA	NFM4	OR11C221	ļ		
	C49	EMI SUPPRESSION CC 10NF+-10% 5	OVHI	DK 0603 (CC	0009.4844.00	MURATA	GRM3	9X7R***K5C500PT*			l
	52 C53	SMD-CERAMIC-CAP CC 0,5PF+-0,05P	F	0603 (cc	0010.7137.00	AVX	0603	5J *** AAW TR			
١	C54	SMD-CERAMIC CAP CC 33NF+-10% 25	V H	DK 0603 0	cc	1051.4697.00	AVX	CM10	5X7R333K25VAT			۱
	64 C65	SMD CERAMIC CAP CC 10NF+-10% 5	OVH	DK 0603	СС	0009.4844.00	MURATA	GRM3	9X7R***K5C500PT*			
	67 C68	SMD-CERAMIC-CAP CC 2,7PFO,1PF50	V N	PO 0603	СС	0009.8291.00	MURATA	GRM3	9C0G***B50ZPT			l
1	C69	SMD-CERAMIC-CAP	V N	PO 0603 (СС	0009.4473.00	MURATA	GRM3	9COG***B50ZPT			
l	C70	SMD-CERAMIC-CAP CB 220PF 25V O,	2A	1205		1085.2245.00	MURATA	NFM4	OR11C221 :		;	l
1	C71	EMI SUPPRESSION CC 2,7PFO,1PF50	V_N	PO 0603	СС	0009.8291.00	MURATA	GRM3	9C0G***B50ZPT			
	C72	SMD-CERAMIC-CAP	VN	PO 0603	СС	0009.8304.00	MURATA	GRM3	9C0G***B50ZPT			l
	C73	SMD-CERAMIC-CAP	V_H	DK 0603	СС	1097.6205.00	MURATA	GRM3	9X7R331J50PT			
	C74	SMD CERAMIC CAP	V H	DK 0603	СС	0009.4938.00	MURATA	GRM3	9X7R***K5C500PT*			l
l	C75	SMD-CERAMIC-CAP XX ENTHALTEN IN		TUR								
١	C76	INCLUDED IN CC 0,3PF+-0,05P			СС	0010.7114.00	AVX	0603	5J *** AAW TR			l
. vov	C77	SMD-CERAMIC CAP CC 0,3PF+-0,05P SMD-CERAMIC CAP	F	0603	СС	0010.7114.00	AVX	0603	5J *** AAW TR			l
	C78	CC 0,4PF+-0,05F SMD-CERAMIC CAF	F	0603	СС	0010.7120.00	AVX	0603	5J *** AAW TR			
ane nechie	C79	CC 1PF+-0,1PF50 SMD-CERAMIC CAP	V	C0G0603	СС	0008.2060.00	AVX	0603	5J 1RO BAW TR			l
2 2	C80	CB 220PF 25V O, EMI SUPPRESSION	2A	1205		1085.2245.00	MURATA	NFM4	OR11C221			
WII	C81	CC O,4PF+-O,05F SMD-CERAMIC CAF	F	0603	СС	0010.7120.00	AVX	0603	5J *** AAW TR			l
	C82	CC 0,5PF+-0,05F SMD-CERAMIC CAF	F	0603	СС	0010.7137.00	AVX	0603	5J *** AAW TR			ļ
	C83	CC 0,4PF+-0,05F SMD-CERAMIC CAF	F	0603 TOR		0010.7120.00		0603	5J *** AAW TR			
	C84	CC 0,4PF+-0,05F SMD-CERAMIC CAP	٦F	0603	СС	0010.7120.00	AVX	0603	5J *** AAW TR			
	C85	XX ENTHALTEN IN INCLUDED IN										İ
	C86 89	CC 2,7PFO,1PF50 SMD-CERAMIC-CAF	PACI	TOR		0009.8291.00			9C0G***B50ZPT			l
İ	C90	CC 18PF+-1% 50 SMD-CERAMIC-CAF	OVNP	O 0603		0048.3622.00			9COG***F5OZPT			
	C91 94	CC 33NF+-10% 25 SMD CERAMIC CAP	SV H PACI	IDK 0603 TOR		1051.4697.00			05X7R333K25VAT			
	C95	CC 2,7PFO,1PF50	PACI	TOR		0009.8291.00			B9COG***B5OZPT			
ļ	C96 98	CC 33NF+-10% 25	PACI	TOR		1051.4697.00			05X7R333K25VAT			
	C99	CC 33NF+-10% 25	PACI	TOR		1051.4697.00			05X7R333K25VAT			I
	C100	CC 2,7PFO,1PF50	PACI	TOR		0009.8291.00			39COG***B50ZPT			
	C101	CC 33NF+-10% 29 SMD CERAMIC CA	PACI	TOR		1051.4697.00			05X7R333K25VAT -			
	C102	CC 33NF+-10% 29	PACI	TOR		1051.4697.00			05X7R333K25VAT 39C0G***B50ZPT			
	C103 105	CC 2,7PFO,1PF5	PACI	TOR	CC	0009.8291.00						
	C106 109	CB 220PF 25V O EMI SUPPRESSIO		1205 LTER		1085.2245.00	MUKATA	141,1414	40R11C221			
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۱	C110	CC 3,3PF 0,1PF 5 SMD-CERAMIC-CAPA	CI.	TOR				ļ				
١	C111	CC 2,7PFO,1PF50\ SMD-CERAMIC-CAPA		TOR				1			9C0G***B50ZPT	
١	C112	CC 33NF+-10% 25V SMD CERAMIC CAPA	/ H	DK 0603	CC	1051.	4697.	00	AVX	CM10	5X7R333K25VAT	
l	C113	CC 2,7PF0,1PF50\	N	PO 0603	СС	0009.	8291.	00	MURATA	GRM3	9COG***B50ZPT	
۱	C114	SMD-CERAMIC-CAPA	/_N	PO 0603	СС	0009.	8291.	00	MURATA	GRM3	9C0G***B50ZPT	
١	C115	SMD-CERAMIC-CAPA CC 33NF+-10% 25\	/ H	DK 0603	СС	1051.	4697.	00	AVX	CM10	5X7R333K25VAT	
l	117 C118	SMD CERAMIC CAPA CB 220PF 25V 0,2		TOR 1205		1085.	2245.	00	MURATA	NFM4	IOR11C221	
ı	121 C122	EMI SUPPRESSION CC 2,7PF0,1PF50\			СС	0009	8291.	00	MURATA	GRM3	9COG***B5OZPT	
l	C123	SMD-CERAMIC-CAPA	CI	TOR	СС	0009.	8291.	00	MURATA	GRM3	99COG***B50ZPT	
	C124	SMD-CERAMIC-CAPA CC 33NF+-10% 25V	CI	TOR	СС	1051.	4697.	00	AVX	CM1C	05X7R333K25VAT	
l	128 C129	SMD CERAMIC CAPA CB 220PF 25V 0,2	CI		-					NFM4	IOR 1 1 C 2 2 1	
ı	132 C133	EMI SUPPRESSION CC 2,7PFO,1PF50V	FI	LTER	cc						99C0G***B50ZPT	
i		SMD-CERAMIC-CAPA	CI	TOR 1							B9COG***B5OZPT	
ı	C134	CC 2,7PFO,1PF5O\ SMD-CERAMIC-CAPA	CI	TOR							05X7R333K25VAT	
ı	C135	CC 33NF+-10% 25V SMD CERAMIC CAPA	CI	TOR								
ı	C136	CC 33NF+-10% 25\ SMD CERAMIC CAPA	CI	TOR	•						05X7R333K25VAT	
ı	C137	CC 0,4PF+-0,05PF SMD-CERAMIC CAPA		TOR !							3 5J *** AAW TR	
ı	C138	CC 33NF+-10% 25V SMD CERAMIC CAPA			CC	1051	.4697.	00	AVX	CM1C)5X7R333K25VAT	
١	C139	CC 2,7PFO,1PF50\ SMD-CERAMIC-CAPA			CC	0009	.8291.	00	MURATA	GRMS	39C0G***B50ZPT	
۱	C140	CC 2,7PFO,1PF50\ SMD-CERAMIC-CAPA			СС	0009	.8291.	00	MURATA	GRM3	39COG***B50ZPT	
	C141	CC 220NF+-10%50V CERAMIC CAPACITO	/ X	7R 1210	СС	0520	.6850.	00	AVX	1210) 5C 224KA 11A	
ı	C142	CC 33NF+-10% 25% SMD CERAMIC CAPA	/ H	DK 0603	CC	1051.	. 4697 .	00	AVX	CM10	05X7R333K25VAT	
ŀ	C143	CC 0,2PF+-0,05PF SMD-CERAMIC CAPA	=	0603	СС	0010	7108.	00	AVX	0603	3 5J *** AAW TR	
۱	C144 153	CC 33NF+-10% 25 SMD CERAMIC CAP	/ H	DK 0603	СС	1051	. 4697 .	00	AVX	CM10	05X7R333K25VAT	
ı	C154	CC 1UF+-10% 50V CERAMIC CAPACITO	X7	R 2220	СС	0520	.6873.	00	AVX	2220) 5C 105 KAT**A(F	
	C155	CC 33NF+-10% 25% SMD CERAMIC CAP	/ H		СС	1051	. 4697.	00	AVX	CM10	05X7R333K25VAT	
	C164	CC 4,7NF+-10% 50 SMD-CERAMIC-CAP	HVC	DK 0603	СС	0009	. 4809 .	00	MURATA	GRM3	39X7R***K5C500PT*	
	C165	CC 33NF+-10% 25	/ H	DK 0603	СС	1051	. 4697 .	00	AVX	CM1C	05X7R333K25VAT	
۱	169 C170	SMD CERAMIC CAPA	/ H	DK 0603	СС	0009	.4938.	00	MURATA	GRMS	89X7R***K5C500PT*	
	C171	SMD-CERAMIC-CAPA CC 33NF+-10% 25	√ H	DK 0603	СС	1051	. 4697.	00	AVX	CM10	05X7R333K25VAT	
	179 C180	SMD CERAMIC CAP CC 2,7PFO,1PF50	√ N	PO 0603	СС	0009	.8291.	00	MURATA	GRM3	39C0G***B50ZPT	
	C181	SMD-CERAMIC-CAP CC 33NF+-10% 25	/ H	DK 0603	СС	1051	. 4697.	00	AVX	CM10	05X7R333K25VAT	
	C182	SMD CERAMIC CAP CC 2,7PFO,1PF50	V_N	PO 0603	СС	0009	.8291.	00	MURATA	GRMS	89COG***B50ZPT	
	C183	SMD-CERAMIC-CAP CC 2,7PFO,1PF50	V N	PO 0603	СС	0009	.8291.	00	MURATA	GRM	39C0G***B50ZPT	
	C184	SMD-CERAMIC-CAP.			СС	0009	.4467.	00	MURATA	GRM3	39COG***B50ZPT	
۱	C185	SMD-CERAMIC-CAP. CC 2,2PFO,1PF50	ACI	TOR	СС	0009	.4467.	00	MURATA	GRM	B9COG***B5OZPT	
	C186	SMD-CERAMIC-CAP. CC 33NF+-10% 25	ACI V H	TOR IDK 0603	СС	1051	.4697.	00	AVX	CM10	05X7R333K25VAT	
	C187	SMD CERAMIC CAP			СС	0009	.8291.	00	MURATA	GRM	39C0G***B50ZPT	
	C188	SMD-CERAMIC-CAP CC 33NF+-10% 25	AÇI	TOR	СС	1051	.4697.	00	AVX	CM10	D5X7R333K25VAT	
	190 C191	SMD CERAMIC CAP XX ENTHALTEN IN	ACI									
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	Comp. No.	Designation		Stock No.	Manufacturer		nation	Contamo		
Γ	C192	CC 2,7PFO,1PF5OV NPC SMD-CERAMIC-CAPACITO		0009.8291.00	MURATA		COG***B50ZPT			
	C193	CC 33NF+-10% 25V HDK	K 0603 [CC	1051.4697.00	AVX	CM105	X7R333K25VAT			
	199 C200	SMD CERAMIC CAPACITO CC 10NF+-10% 50VHDK	K 0603 CC	0009.4844.00	MURATA	GRM39	X7R***K5C500PT*			
	C2O1	SMD-CERAMIC-CAPACITO CC 33NF+-10% 25V HDW	K 0603 CC	1051.4697.00	AVX	CM105	X7R333K25VAT			
	C2O2	SMD CERAMIC CAPACITO CC 33NF+-10% 25V HDM	OR	1051.4697.00	AVX	CM105	X7R333K25VAT			
1	C202	SMD CERAMIC CAPACITO		1085.2245.00		NFM40	R11C221			
		EMI SUPPRESSION FILT CC 33NF+-10% 25V HDF	TER	1051.4697.00			X7R333K25VAT			
1	C204 217	SMD CERAMIC CAPACITO	OR	1097.6292.00			X7R104K16AT			
ŀ	C218	CC 100NF+-10%16V HDF CERAMIC CHIP CAPACIT	TOR				COG***B50ZPT		:	
	C219	CC 2,7PFO,1PF50V NPC SMD-CERAMIC-CAPACITO	OR	0009.8291.00			COG***B50ZPT			
	C220	CC 10P+-0, 1PF50V NPC SMD-CERAMIC-CAPACITO	OR	0009.4567.00						
	C221	CB 220PF 25V 0,2A EMI SUPPRESSION FIL	1205 TER	1085.2245.00			DR11C221			
	C222	CC 2,7PFO,1PF5OV NPC	o 0603 CC	0009.8291.00			COG***B50ZPT			
1	C223	CB 220PF 25V 0,2A EMI SUPPRESSION FIL	1205	1085.2245.00	MURATA		DR11C221			
	C224 226	CC 33NF+-10% 25V HDI SMD CERAMIC CAPACITE	K 0603 CC	1051.4697.00	AVX	CM10E	5X7R333K25VAT			
l	C227	CB 220PF 25V 0,2A EMI SUPPRESSION FIL	1205	1085.2245.00	MURATA	NFM4C	DR11C221			
	C228	CC 33NF+-10% 25V HD	K 0603 CC	1051.4697.00	AVX	CM105	5X7R333K25VAT			
	230 C231	SMD CERAMIC CAPACITO CC 10P+-0,1PF50V NP	O 0603 CC	0009.4567.00	MURATA	GRM39	COG***B50ZPT			
	C232	SMD-CERAMIC-CAPACIT	0603 CC	0010.7108.00	AVX	0603	5J *** AAW TR		!	
1	C233	SMD-CERAMIC CAPACIT CC 4,7PFO,1PF5OV NP	O 0603 CC	0009.4538.00	MURATA	GRM39	OCOG***B50ZPT			
vor.	C234	SMD-CERAMIC-CAPACIT CC 33NF+-10% 25V HD	OR OK 0603 CC	1051.4697.00	AVX	CM105	5X7R333K25VAT			
hta vc	C235	SMD CERAMIC CAPACIT CC 2,2PFO,1PF50V NP	OR 0 0603 CC	0009.4467.00	MURATA	GRM39	OCOG***B50ZPT			
aile Rechte	C236	SMD-CERAMIC-CAPACIT CB 220PF 25V 0,2A		1085.2245.00		NFM40	OR11C221			
uns aile	C237	EMI SUPPRESSION FIL CC 0,2PF+-0,05PF	TER 0603 CC	0010.7108.00		0603	5J *** AAW TR			
wir ur	C238	SMD-CERAMIC CAPACIT CC 2,2PF0,1PF50V NP	ror	0009.4467.00			9C0G***B50ZPT			
	C239	SMD-CERAMIC-CAPACIT	FOR	0009.4450.00			9COG***B5OZPT			
	C240	SMD-CERAMIC-CAPACIT	r o r	0009.4450.00			9C0G***B50ZPT			
	\//	SMD-CERAMIC-CAPACIT	FOR	0009.4450.00			5J *** AAW TR			
	C241	CC 0,5PF+-0,05PF SMD-CERAMIC CAPACIT	TOR	0009.8291.00			9COG***B5OZPT			
	C242	CC 2,7PFO,1PF5OV NP SMD-CERAMIC-CAPACIT	TOR				9C0G***B50ZPT			
	C243	CC 3,9PFO,1PF5OV NP SMD-CERAMIC-CAPACIT	TOR	0009.4509.00						
	C244	CC 3,3PF 0,1PF 50V SMD-CERAMIC-CAPACIT	TOR	0009.8285.00			9COG***B50ZPT			
	C245 248	CC 2.7PFO,1PF5OV NF SMD-CERAMIC-CAPACIT	PO 0603 CC	0009.8291.00			9COG***B5OZPT			
	C249	CC 0,7PF+-0,05PF SMD-CERAMIC CAPACIT	0603 C	C 0010.7150.00			5J *** AAW TR			
	C250	CC 2,7PFO,1PF5OV NF SMD-CERAMIC-CAPACIT	PO 0603 C	C 0009.8291.00			9COG***B5OZPT			
	C251	CC 0,6PF+-0,05PF SMD-CERAMIC CAPACIT	0603 C	C 0010.7143.00	AVX	0603	5J *** AAW TR			
!	C252	CC 2,7PFO,1PF5OV NF SMD-CERAMIC-CAPACIT	PO 0603 [C	C 0009.8291.00	MURATA	GRM3	9C0G***B50ZPT			
	C253	CC 2,7PFO,1PF5OV NF	PO 0603 C	C 0009.8291.00	MURATA	GRM3	9C0G***B50ZPT			
	C254	SMD-CERAMIC-CAPACI CC 2,2PF0,1PF50V NI	PO 0603 C	C 0009.4467.00	MURATA	GRM3	9COG***B50ZPT			
	C255	SMD-CERAMIC-CAPACI CC 2,2PF0,1PF50V NI	PO 0603 C	C 0009.4467.00	MURATA	GRM3	9COG***B5OZPT			
	C256	SMD-CERAMIC-CAPACI CC 2,7PFO,1PF50V NI	PO 0603 C	C 0009.8291.00	MURATA	GRM3	99COG***B50ZPT			
		SMD-CERAMIC-CAPACI	IUR							
			0.00	Opt. Jan	Illiste für	Т	Sachnummer		Blatt-Nr.	
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5.0028-0693	A		22.09.99	EE 6-GHZ-ERW	EITERUNG		1084.9600.0	1 SA	4+	
5.002	ROHL	DE&SCHWARZ		6GHZ EXTENSI	NC					

Stock No.

Manufacturer

RG 0009.5334.00 PHILIPS_CO RC 22 H

Designation

Für diese Unterlage behalten wir uns alle Rechte vor. Comp. No.

C257

Designation

0603

RG 100R +-1% TK100

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ROHDE	:&SCHWARZ	14	22.09.99	EE 6-GHZ-ERWEITERUNG	1084.9600.01 SA	5+
		1		6GHZ EXTENSION	Į.	

	Comp. No.	Designation		Stock No.	Manufacturer	Design			
	C3O1	CC 1,2PF0,1PF50V	·	CC 0009.4444.00	MURATA	GRM39C	OG***B50ZPT		
	C302	SMD-CERAMIC-CAPAC	NPO 0603 C	CC 0009.4450.00	MURATA	GRM390	OG***B50ZPT		
	307 C308		NPO 0603	CC 1093.6417.00	MURATA	GRM390	:0G***F50ZPT		
1	C309	SMD CERAMIK CAPAC CC 2,2PFO,1PF50V	NPO 0603 (CC 0009.4467.00	MURATA	GRM390	OG***B50ZPT		
	C310	SMD-CERAMIC-CAPAC CC 2,2PFO,1PF50V	TOR NPO 0603 (CC 0009.4467.00	MURATA	GRM390	OG***B50ZPT		
ļ	C311	SMD-CERAMIC-CAPAC CC 3,3PF 0,1PF 50	ITOR	CC 0009.8285.00	MURATA	GRM390	OG***B50ZPT		
l	314 C315	SMD-CERAMIC-CAPAC CC 3,9PFO,1PF50V	ITOR	CC 0009.4509.00	MURATA	GRM390	OG***B50ZPT		
	C316	SMD-CERAMIC-CAPAC CC 3,9PFO,1PF50V	ITOR	CC 0009.4509.00		GRM390	OG***B50ZPT		
		SMD-CERAMIC-CAPAC CC 1,0PFO,1PF50V	ITOR	CC 0009.8304.00		GRM390	OG***B50ZPT		
	C317	SMD-CERAMIC-CAPAC CC 2,2PF0,1PF50V	ITOR	CC 0009.4467.00		GRM39	COG***B5OZPT		
ļ	C318	SMD-CERAMIC-CAPAC	ITOR	CC 1051.4697.00			(7R333K25VAT		l
	C319	CC 33NF+-10% 25V SMD CERAMIC CAPAC	ITOR	CC 1051.4697.00	}		K7R333K25VAT		
	C320	CC 33NF+-10% 25V SMD CERAMIC CAPAC	ITOR				CDG***F50ZPT		- 1
	C321 325	SMD-CERAMIC-CAPAC	ITOR	CC 0010.9323.00					
	C326	CC 47PF+-1% 50V SMD-CERAMIC-CAPAC	ITOR	CC 0009.4644.00			COG***F50ZPT		
	C327	CC 47PF+-1% 50V SMD-CERAMIC-CAPAC	NPO 0603	CC 0009.4644.00			COG***F50ZPT		
	C328	CC 0,4PF+-0,05PF SMD-CERAMIC CAPAC	0603	CC 0010.7120.00	AVX		5J *** AAW TR		
	C329 331	CC 1,8PFO,1PF5OV SMD-CERAMIC-CAPAC	NPO 0603	CC 0009.4473.00			COG***B50ZPT		
	C332	CC 0,9PF+-0,05PF SMD-CERAMIC CAPAC	0603	CC 0010.7172.00	AVX	0603	5J *** AAW TR		
	C333	CC 1,8PFO,1PF5OV SMD-CERAMIC-CAPAC	NPO_0603	CC 0009.4473.00	MURATA	GRM39	COG***B50ZPT		
٥٢.	C334	CC 1,8PFO,1PF50V	NPO 0603	CC 0009.4473.00	MURATA	GRM39	COG***B50ZPT		
alle Rechte vor	C335	SMD-CERAMIC-CAPAC CC 220NF+-10%50V	X7R 1210	CC 0520.6850.00	AVX	1210	5C 224KA 11A		
ie Re	C336	CERAMIC CAPACITOR CC 10P+-0, 1PF50V	NPO 0603	CC 0009.4567.00	MURATA	GRM39	COG***B50ZPT		
le sun	C337	SMD-CERAMIC-CAPAC CC 0,2PF+-0,05PF	0603	CC 0010.7108.00	AVX	0603	5J *** AAW TR		
wir	C338	SMD-CERAMIC CAPAC XX ENTHALTEN IN	ITOR						
	C339	INCLUDED IN CC 0,4PF+-0,05PF	0603	CC 0010.7120.00	AVX	0603	5J *** AAW TR		
	C340	SMD-CERAMIC CAPAC CC 0,3PF+-0,05PF	O603	CC 0010.7114.00	AVX	0603	5J *** AAW TR		
	C341	SMD-CERAMIC CAPAC	ITOR 0603	CC 0010.7108.00	AVX	0603	5J *** AAW TR		
	C342	SMD-CERAMIC CAPAC CC 0.2PF+-0.05PF		CC 0010.7108.00		0603	5J *** AAW TR		
	C343	SMD-CERAMIC CAPAC CC 10P+-0, 1PF50V	CITOR	CC 0009.4567.00	MURATA	GRM39	COG***B50ZPT]
	C343	SMD-CERAMIC-CAPAC CC 6,8PFO,1PF50V	CITOR	CC 0009.8262.00			COG***B50ZPT		
		SMD-CERAMIC-CAPAC	CITOR	CC 0009.8262.00			COG***B50ZPT		
	C345	CC 6,8PF0,1PF50V SMD-CERAMIC-CAPA	CITOR	CC 0009.4521.00			COG***B50ZPT		
	C346	CC 5,6PFO,1PF5OV SMD-CERAMIC-CAPA	CITOR	CC 0009.4521.00			COG***850ZPT		
	C347 349	CC 6,8PFO,1PF5OV SMD-CERAMIC-CAPA	CITOR			-)COG***F50ZPT		
	C350	SMD CERAMIK CAPA	VNPO 0603 CITOR	CC 1093.6417.00			5X7R333K25VAT		
	C351	CC 33NF+-10% 25V SMD CERAMIC CAPA	CITOR	CC 1051.4697.00					;
	C352 354	CC 6.8PFO,1PF50V SMD-CERAMIC-CAPA	CITOR	CC 0009.8262.0			COG***B5OZPT		
	C355	CC 0,9PF+-0,05PF	0603 CITOR	CC 0010.7172.0			5J *** AAW TR		
	C356	CC 2.7PFO.1PF50V SMD-CERAMIC-CAPA	NPO 0603	CC 0009.8291.0	OMURATA	GRM39	9C0G***B50ZPT		
	C357	XX ENTHALTEN IN INCLUDED IN							
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C358	CC 0,8PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7166.00	AVX 06	603 5J *** AAW TR	
C359	CC 5,6PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4521.00	MURATA GR	M39COG***B50ZPT	
C360	XX ENTHALTEN IN INCLUDED IN	, , , , , , , , , , , , , , , , , , ,	T		
C361	CB 220PF 25V 0,2A 1205	1085.2245.00	MURATA NF	M40R11C221	
363 C364	EMI SUPPRESSION FILTER CC 220PF+-1% 50VNPO 0603	CC 0009.4721.00	MURATA GR	M39COG***F5OZPT	
C365	SMD-CERAMIC-CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00	AVX CN	1105X7R333K25VAT	
C366	SMD CERAMIC CAPACITOR CC 0,4PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7120.00	AVX 06	603 5J *** AAW TR	
C367	CB 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER	1085.2245.00		M40R11C221	
C368	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	MURATA GR	M39X7R***K5C500PT*	
C369	CC 1PF+-O, 1PF5OV COGO603 SMD-CERAMIC CAPACITOR	CC 0008.2060.00	AVX 06	603 5J 1RO BAW TR	
C370	XX ENTHALTEN IN				
374 C375	INCLUDED IN CC 0,9PF+-0,05PF 0603	CC 0010.7172.00	AVX 06	503 5J *** AAW TR	
C376	SMD-CERAMIC CAPACITOR CC 15PF+-1% 50VNPO 0603	CC 0009.8227.00	MURATA GR	RM39COG***F5OZPT	
C377	SMD-CERAMIC-CAPACITOR CB 22OPF 25V 0,2A 12O5	1085.2245.00	MURATA NE	M40R11C221	
C378	EMI SUPPRESSION FILTER XX ENTHALTEN IN INCLUDED IN				
C379	CC 2,7PFO,1PF50V NPO 0603	CC 0009.8291.00	MURATA GR	M39COG***B5OZPT	
C380	SMD-CERAMIC-CAPACITOR CC 0,3PF+-0,05PF 0603	CC 0010.7114.00	AVX 06	603 5J *** AAW TR	
C381	SMD-CERAMIC CAPACITOR XX ENTHALTEN IN INCLUDED IN				
C382	XX ENTHALTEN IN INCLUDED IN	**************************************			
C383		CC 0009.4450.00	MURATA GR	M39COG***B50ZPT	
C384	CC 0,3PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7114.00	AVX 06	603 5J *** AAW TR	
C385	CC 0,7PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7150.00	AVX 06	603 5J *** AAW TR	
C386	CC 0,7PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7150.00	AVX 06	603 5J *** AAW TR	
C387 393	XX ENTHALTEN IN INCLUDED IN				
C394 C395	CC 2,7PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN	CC 0009.8291.00	MURATA GR	M39COG***B5OZPT	
397 C398	INCLUDED IN CC 0,6PF+-0,05PF 0603	CC 0010.7143.00	AVX 06	603 5J *** AAW TR	
C399	SMD-CERAMIC CAPACITOR XX ENTHALTEN IN INCLUDED IN				
401 C402	INCLUDED IN CC 1,0PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.8304.00	MURATA GR	M39COG***B5OZPT	
C403	CC 2,2PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4467.00	MURATA GR	M39COG***B5OZPT	i
C404	XX ENTHALTEN IN INCLUDED IN				
C405	CC 0,2PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7108.00	AVX 06	603 5J *** AAW TR	
C406	CB 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER	1085.2245.00	MURATA NE	M40R11C221	
C407	XX ENTHALTEN IN INCLUDED IN				
C408	CB 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER	1085.2245.00		M40R11C221	
C409	CC 0,4PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7120.00		603 5J *** AAW TR	
C410	CC 0,3PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7114.00		603 5J *** AAW TR	
C411	CC 2,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.8291.00		RM39COG***B50ZPT	
C412	CC 2,7PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.8291.00	MURATA GF	RM39COG***B50ZPT	
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Ī	C413	XX ENTHALTEN IN										
	C414	INCLUDED IN CC 0,6PF+-0,05PF			СС	0010.7143.00	AVX	0603	5J *** AAW TR			
-	C415	SMD-CERAMIC CAPA	CIT	OR								
	418	INCLUDED IN		1005		1085.2245.00	MIDATA	NEMA	OR11C221			
	C419	CB 220PF 25V 0,2 EMI SUPPRESSION	2Α FΙL	1205 TER								
	C420	CC 2,2PF0,1PF50\	/ NF	0 0603	CC	0009.4467.00	MURATA	GRM3	9C0G***B50ZPT			
ı	C421	SMD-CERAMIC-CAPA XX ENTHALTEN IN	101	UK								
	427 C428	INCLUDED IN CC 2,7PF0,1PF50	/ NF	0 0603	СС	0009.8291.00	MURATA	GRM3	9C0G***B50ZPT			
	1	SMD-CERAMIC-CAP	CIT									
į	C429 432	XX ENTHALTEN IN INCLUDED IN						00110	0000###DE07DT			
١	C433	CC 2,7PFO,1PF50			CC	0009.8291.00	MURATA		9COG***B50ZPT			
	C434	CC 0, 1PF+-0,05PI	=	0603	CC	0010.7095.00	AVX	0603	5J *** AAW TR			
	C435	SMD-CERAMIC CAPA CC 2,7PFO,1PF50	N NE	0 0603	СС	0009.8291.00	MURATA	GRM3	9COG***B5OZPT			
	C436	SMD-CERAMIC-CAPA XX ENTHALTEN IN		TOR								
		INCLUDED IN		2000	~~	0010 7005 00	AVV	0603	5J *** AAW TR			
	C437	CC 0,1PF+-0,05PF SMD-CERAMIC CAP			CC	0010.7095.00	1444	0003	JU MAR IN			
	C438	XX ENTHALTEN IN INCLUDED IN										
	C442	CB 220PF 25V 0,		1205		1085.2245.00	MURATA	NFM4	OR11C221			
	C443	EMI SUPPRESSION CB 220PF 25V 0,	2A	1205		1085.2245.00	MURATA	NFM4	OR11C221			
	C444	EMI SUPPRESSION CC 0.1PF+-0.05P	FI	LTER 0603	CC	0010.7095.00	AVX	0603	5J *** AAW TR			
		SMD-CERAMIC CAP	ACI.	TOR					5J *** AAW TR			
	C445	CC 0,6PF+-0,05P SMD-CERAMIC CAP	ACI:			0010.7143.00						
- 1	C446	CC 0,6PF+-0,05P SMD-CERAMIC CAP		0603 TOR	CC	0010.7143.00	AVX	0603	8 5J *** AAW TR			
vor.	C447	XX ENTHALTEN IN										
	C448	INCLUDED IN CC 33NF+-10% 25			СС	1051.4697.00	AVX	CM10	5X7R333K25VAT			
alle Rechte	C449	SMD CERAMIC CAP CC 33NF+-10% 25			CC	1051.4697.00	AVX	CM1C	05X7R333K25VAT			
s all:		SMD CERAMIC CAP	ACI		آ ا							
wir uns	C450	XX ENTHALTEN IN INCLUDED IN						^ -	000011-000-			
\$	C451	CC 2,7PFO,1PF50 SMD-CERAMIC-CAP			CC	0009.8291.00	MURATA	GRMS	39C0G***B50ZPT			
	C452	XX ENTHALTEN IN										
	C453	INCLUDED IN XX ENTHALTEN IN										
	C454	INCLUDED IN CB 220PF 25V O.	2A	1205		1085.2245.00	MURATA	NFM4	IOR11C221			
	C455	EMI SUPPRESSION	FI	LTER								
	459	INCLUDED IN					SALED A TA SIERE		1400410004			
	C460	CB 220PF 25V O, EMI SUPPRESSION		1205 LTER		1085.2245.00			10R11C221			
1	C461	CB 220PF 25V O. EMI SUPPRESSION	2A	1205		1085.2245.00	MURATA	NFM4	10R11C221			
	C462	XX ENTHALTEN IN		- 1 - IX								
	464 C465	INCLUDED IN CB 220PF 25V O,	2A	1205		1085.2245.00	MURATA	NFM4	10R11C221			
	C466	EMI SUPPRESSION XX ENTHALTEN IN	FI	LTER								
		INCLUDED IN										
	C467	XX ENTHALTEN IN INCLUDED IN										
	C468	CC 33NF+-10% 25 SMD CERAMIC CAP			CC	1051.4697.0	DIAVX	CM10	05X7R333K25VAT			
	C469	CC 0, 1PF+-0,05F	F	0603	CC	0010.7095.0	AVX	0603	3 5J *** AAW TR			
	C470	SMD-CERAMIC CAP XX ENTHALTEN IN	SMD-CERAMIC CAPACITOR				***					
	C471	INCLUDED IN CB 220PF 25V O.		1205		1085.2245.0	DIMURATA	NFM	40R11C221			
		EMI SUPPRESSION	1 FI	LTER		1085.2245.0			40R11C221			
	C472	CB 220PF 25V O, EMI SUPPRESSION	ZA ∤ FI	1205 LTER		1000.2245.0	BIORATA	1.42 141,	TON 1 10441			
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SIND-CERAMIC CAPACITOR	1	C473	CC 100PF+-1% 5				0009.4680.00			9COG***F5OZPT		
SMD_CERAMIC CAPACITOR GOOD	١		SMD-CERAMIC-CAP	ACI	TOR					İ		
SND-CERMIC CAPACITOR CC 0009.4473.00 AVX	I		SMD-CERAMIC CAP	ACI	TOR	-						
SMD-CERAMIC CAPACITOR CC 0010.7095.00 AVX 0603 5J *** AAW TR CC 0110.7095.00 AVX 0603 5J *** AAW TR CC 0110.7095.00 AVX 0603 5J *** AAW TR CC 0110.7143.00 AVX 0603 5J *** AAW TR			SMD-CERAMIC CAP	ACI	TOR							l
SMD-CERAMIC CAPACITOR ORG3 SMD-CERAMIC CAPACITOR ORG3 SMD-CERAMIC CAPACITOR ORG3 SMD-CERAMIC CAPACITOR ORG3 SMD-CERAMIC CAPACITOR ORG3					TOR							
SMM_CERAMIC_CAPACITOR C490 C500 C490 C500	ı	C477			TOR					1		ļ
C499 CB 220PF 25V 0, 2A 1205	١	C478				СС	0010.7143.00	AVX	0603	3 5J *** AAW TR		
C480		C479	CB 220PF 25V 0,	2A	1205		1085.2245.00	MURATA	NFM4	10R11C221		
C481 XX ENTHALTEN IN INCLUDED IN PRO 0803 CC 0.009.8291.00 MURATA GRM39COG***850ZPT MORALDED IN CO. 2, PTP-0, PEPSOV NPO 0803 SMD-CERAMIC CAPACITOR CAPACITO		C480	XX ENTHALTEN IN									1
C482 CC 2,79F0, 1PF50V NPO 0603 CC 0009.8291.00 MURATA CRM39COG***B50ZPT NPMACTIC221 NPMAC		C481	XX ENTHALTEN IN	j								l
C483 C8 220PF 25V O, 2A 1205	ı	C482	CC 2,7PF0,1PF50			СС	0009.8291.00	MURATA	GRMS	B9COG***B5OZPT		[
C488 C 0. p.FF+-0.0SFF 0603 SMD-CERAMIC CAPACITOR 0603 F. *** AAW TR 0		C483	CB 220PF 25V O,	2A	1205		1085.2245.00	MURATA	NFM4	10R11C221		
C485 CB 220PF 25V O, 2A 1205 C488 XX ENTHALTEN IN C499 CG 2. CFRANIC-CAPACITOR C499 CG 2. PFP-0, 19F50V NPO 0603 C590 CC 2. TPP-0, 19F50V NPO 0603 C590 CC 2. TPP-0, 19F50V NPO 0603 C500 CC 2. PFP-0, 19F50V NPO 0603 C500 CC 0. 19FF-0, 059F 0603 C500 CC		C484	CC 0,1PF+-0,05F	F	0603	СС	0010.7095.00	AVX	0603	3 5J *** AAW TR		1
C488			CB 220PF 25V 0,	2A	1205		1085.2245.00	MURATA	NFM4	40R11C221		
C489 CC 2, 7PFO, 1PF50V NPO 0603 C490 XX ENTHALTEN IN C491 CB 2200F 25V 0, 2A C495 CC 2, 7PFO, 1PF50V NPO 0603 C500 SMD-CERAMIC-CAPACITOR C501 CC 2, 7PFO, 1PF50V NPO 0603 C502 SMD-CERAMIC-CAPACITOR C503 SMC-CERAMIC-CAPACITOR C504 SMD-CERAMIC-CAPACITOR C505 SMD-CERAMIC-CAPACITOR C506 CC 1, 1PFF-0, 05PF C607 CC 0, 1PFF-0, 05PF C608 CC 0, 1PFF-0, 05PF C608 CC 0, 1PFF-0, 05PF C609 CC 0, 1P			XX ENTHALTEN IN		LIER					The state of the s		
C490		C489		OV N	PO 0603	СС	0009.8291.00	MURATA	GRMS	39C0G***B50ZPT		
C494 C8 220PF 25V 0, 2A 1205 1085.2245.00 MURATA NFM40R11C221		C490			TOR							[
C495 C. 497 C498 C. 497 C498 C. 497 C498 C. 500 C.				2A	1205		1085.2245.00	MURATA	NFM4	40R11C221		1
C498		C495				СС	0009.8291.00	MURATA	GRMS	B9COG***B5OZPT		1
C501 CC 2, 7PF0, 1PF50V NPO 0603 CC 0009,8291.00 MURATA GRM39COG***B50ZPT CC 2, 7PF0, 1PF50V NPO 0603 CC 0009,8291.00 MURATA GRM39COG***B50ZPT CC 0, 1PF+-0, 05PF 0603 SMD-CERAMIC CAPACITOR CC 0, 1PF+-0, 05PF 0603 SMD-CERAMIC CAPACITOR CC 0, 1PF+-0, 05PF 0603 SMD-CERAMIC CAPACITOR CC 0, 1PF+0, 05PF 0603 SMD-CERAMIC CAPACITOR CC 0, 05PF-0, 05PF 0, 05PF 0603 SMD-CERAMIC CAPACITOR CC 0, 05PF-0, 05PF 0,					TOR							
SMD_CERAMIC_CAPACITOR CC 2,7PF0_1PF50V NPO 6603 CC 0009.8291.00 MURATA GRM39COG***B50ZPT CC 0.1PF*-0.0SPF O603 SMD_CERAMIC CAPACITOR CC 0.1PF*-0.0SPF O603 SMD_CERAMIC_CAPACITOR CC 0.1PF*-0.0SPF O603 SMD_CERAMIC_CAPACITOR CC 0.2PF*-0.0SPF O603 SMD_CERAMIC_CAPACITOR CC 0.3PF*-0.0SPF O603 SMD_CERAMIC_CAPACIT				OV N	PO 0603	CC	0009.8291.00	MURATA	GRM3	B9COG***B5OZPT		
SMD-CERAMIC CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC-CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC-CAPACITOR CC 0.1PF+0.0SPF 0603 SMD-CERAMIC-CAPACITOR CC 0.3PF+0.0SPF 0603 SMD-CERAMIC-CAPACITOR	2		SMD-CERAMIC-CAP	PACI	TOR				GRM3	B9COG***B5OZPT		
SMD-CERAMIC CAPACITOR CC 0,1PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,1PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,1PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,1PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,1PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 1,2PF0,1PF50V NP0 0603 SMD-CERAMIC CAPACITOR CC 2,7PF0,1PF50V NP0 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF+0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF-0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,3PF-0,1PF50V NP0 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC CAPACITOR CC 0,3PF-0,1PF50V NP0 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC CAPACITOR CC 0,3PF-0,1PF50V NP0 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC CAPACITOR CC 0,3PF-0,1PF50V NP0 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC CAPACITOR CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC CAPACITOR CC 0,3PF-0,1PF50V NP0 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC CAPACITOR CC 00	200 5		SMD-CERAMIC-CAF	PACI	TOR				0603	3 5J *** AAW TR		
SMD-CERAMIC CAPACITOR CC 0, 1PF+-0, 0SPF 0803 SMD-CERAMIC CAPACITOR CC 0, 1PF+-0, 0SPF 0803 SMD-CERAMIC CAPACITOR CC 0, 1PF+-0, 0SPF 0803 SMD-CERAMIC CAPACITOR CC 0, 1PF+-0, 0SPF 0803 SMD-CERAMIC CAPACITOR CC 0, 1PF+0, 0SPF 0803 SMD-CERAMIC CAPACITOR CC 1, 2PF0, 1PF50V NPO 0603 SMD-CERAMIC CAPACITOR CC 2, 7PF0, 1PF50V NPO 0603 SMD-CERAMIC CAPACITOR CC 0, 3PF+-0, 0SPF 0603 SMD-CERAMIC CAPACITOR CC 0, 3PF+-0, 0SPF 0603 SMD-CERAMIC CAPACITOR CC 0, 3PF+0, 0SPF 0603 SMD-CERAMIC CAPACITOR CC 0, 3PF-0, 0SPF 0603 SMD-CERAMIC-CAPACITOR CC 0, 3PF-0, 0SPF 0603 SMD-CERAMIC-CAPACITOR CC 0, 3PF-0, 0SPF 0503 SMD-CERAMIC-CAPACITOR CC 0, 3PF-0, 0SPF	IS SI		SMD-CERAMIC CAP	PACI		СС	0010.7095.00	AVX	0603	3 5J *** AAW TR		
SMD-CERAMIC CAPACITOR CC 0,1PF+-0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,1PF+-0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 0,1PF+-0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 1,2PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0,3PF+-0,0SPF 0603 SMD-CERAMIC-CAPACITOR CC 0,3PF+-0,0SPF 0603 SMD-CERAMIC CAPACITOR CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC CAPACITOR CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 SMD-CERAMIC-CAPACITOR CC 3,3PF 0,1PF 50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 3,3PF 0,1PF 50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 4,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 4,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 4,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0,7PF0,1PF50V NPO 0,7PF0,1PF0,1PF0,1PF0,1PF0,1PF0,1PF0,1PF0,1	*		SMD-CERAMIC CAR	PACI	TOR				0603	3 5J *** AAW TR		Ī
SMD-CERAMIC CAPACITOR CC 0.19F+-0.05PF			SMD-CERAMIC CAR	PACITOR		СС	0010.7095.00	AVX	0603	3 5J *** AAW TR		
SMD-CERAMIC CAPACITOR CC 0.009.4444.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC-CAPACITOR CC 0.7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0.3PF+-0,05PF			SMD-CERAMIC CAR	PACI	TOR							
C509 SMD-CERAMIC-CAPACITOR CC 2,7PF0, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0,3PF+-0,0SPF O603 SMD-CERAMIC CAPACITOR CC 0,9PF+-0,0SPF O603 SMD-CERAMIC CAPACITOR CC 0,9PF+-0,0SPF O603 SMD-CERAMIC CAPACITOR CC 0,9PF+-0,0SPF O603 CC 0010.7112.00 AVX O603 SJ *** AAW TR SMD-CERAMIC CAPACITOR CC 0,9PF+-0,0SPF O603 SMD-CERAMIC CAPACITOR CC 0,9PF+-0,0SPF O603 SMD-CERAMIC CAPACITOR CC 0,9PF+-0,0SPF O603 SMD-CERAMIC CAPACITOR CC 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER CC 4,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.8285.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC-CAPACITOR CC 0009.8285.00 MURATA GRM39COG***B50ZPT CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.8291.00 MURATA GRM39COG***B50ZPT CC 4,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG****B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39C		İ	SMD-CERAMIC CAR	PACI	TOR IPO 0603	СС	0009.4444.00	MURATA	GRM	39COG***B50ZPT		
SMD-CERAMIC C-CAPACITOR	Ì		SMD-CERAMIC-CAR	PACI	ACITOR	СС	0009.8291.00	MURATA	GRM	39COG***B5OZPT		
SMD-CERAMIC CAPACITOR CC 0,9PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR CC 0,8PF+-0,05PF 0603 CC 0010.7172.00 AVX 0603 5J *** AAW TR SMD-CERAMIC CAPACITOR CC 0,8PF+-0,05PF 0603 CC 0010.7166.00 AVX 0603 5J *** AAW TR SMD-CERAMIC CAPACITOR CE 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC-CAPACITOR CC 3,3PF 0,1PF 50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.4538.00 MURATA GRM39COG***B50ZPT GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG*			SMD-CERAMIC-CAR	PACI	TOR				0603	3 5J *** AAW TR		
SMD-CERAMIC CAPACITOR CC 0,8PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR CB 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER CC 4,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 3,3PF 0,1PF 50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 3,3PF 0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 4,7PF0,1PF50V NPO 0603 CC 0009.8291.00 MURATA GRM39COG***B50ZPT GRM39COG***B50ZPT GRM39COG***B50ZPT SMD-CERAMIC-CAPACITOR CC 0009.8291.00 MURATA GRM39COG***B50ZPT GRM39COG***B5		1	SMD-CERAMIC CAR	PACI	TOR							
SMD-CERAMIC CAPACITOR CB 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER CC 4,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 3,3PF 0,1PF 50V NPO 06 SMD-CERAMIC-CAPACITOR CC 16			SMD-CERAMIC CAR	PACI	TOR							
EMI SUPPRESSION FILTER	١	1	SMD-CERAMIC CAR	PACI	TOR							
SMD-CERAMIC-CAPACITOR CC 3,3PF 0,1PF 50V NPO 06 SMD-CERAMIC-CAPACITOR CS 3,3PF 0,1PF 50V NPO 06 SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 4,7PF0,1PF50V NPO 0603 CC 0009.8291.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC-CAPACITOR CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT C522 CB 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA MIRATA GRM39COG***B50ZPT CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT GRM39COG***B5			EMI SUPPRESSION	N FI	LTER	CC						
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN C517 CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT C521 SMD-CERAMIC-CAPACITOR CC 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA NFM40R11C221 EMI SUPPRESSION FILTER CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC-CAPACITOR CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC-CAPACITOR CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC-CAPACITOR CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC-CAPACITOR Schaltteilliste für Sachnummer Stock No. Page			SMD-CERAMIC-CA	PACI	TOR							
INCLUDED IN CC 2,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 4,7PF0,1PF50V NPO 0603 CC 0009.8291.00 MURATA GRM39COG***B50ZPT C521 SMD-CERAMIC-CAPACITOR CB 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA NFM40R11C221 C523 CM 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT GRM39CO			SMD-CERAMIC-CA	PACI								
SMD-CERAMIC-CAPACITOR CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA GRM39C0G***B50ZPT SMD-CERAMIC-CAPACITOR C522 CB 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT C523 CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT GRM3P			INCLUDED IN		JPO 0603	Cr	0009.8291.00	MURATA	GRM:	39C0G***B50ZPT		
C521 SMD-CERAMIC-CAPACITOR C522 CB 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER CC 4,7PF0,1PF50V NPO 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC-CAPACITOR CC 0009.4538.00 MURATA GRM39COG***B50ZPT Sechnummer Sachnummer Sachnummer Sachnummer Stock No. Blatt-Nr. Page Pag			SMD-CERAMIC-CA	PAC1	TOR							
EMI SUPPRESSION FILTER CC 4,7PF0,1PF50V NPO 0603526 SMD-CERAMIC-CAPACITOR CC 0009.4538.00 MURATA GRM39COG***B50ZPT SMD-CERAMIC-CAPACITOR Schaltteilliste für Sachnummer Stock No. Page		521	SMD-CERAMIC-CA	PACI	TOR	~						
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1	Comp. No.					Stock No.	Manuracturer		Designation		
Γ	C527	CC 2,7PFO,1PF50V	NP		00	0009.8291.00	MURATA	GRM39	COG***B50ZPT		
	C528	SMD-CERAMIC-CAPAC CB 220PF 25V 0,2/	Α	1205		1085.2245.00	MURATA	NFM40	DR11C221		
	C529	EMI SUPPRESSION I		0603	CC +	0010.7095.00	AVX	0603	5J *** AAW TR		
	C530	SMD-CERAMIC CAPAC CC 2,7PF0,1PF50V	NP	0 0603 0	CC	0009.8291.00	MURATA	GRM39	COG***B50ZPT		
	532 C533	SMD-CERAMIC-CAPA	CIT	OR					- The second of the second of		
1	C534	INCLUDED IN CC 0,3PF+-0,05PF		0603	CC	0010.7114.00	AVX	0603	5J *** AAW TR		
	C535	SMD-CERAMIC CAPA CC 1,5PFO,1PF50V	CIT	OR O 0603	CC	0009.4450.00	MURATA	GRM39	OCOG***B50ZPT		
	539 C540	SMD-CERAMIC-CAPA CC 1,2PF0,1PF50V	CIT	OR	CC	0009.4444.00	MURATA	GRM39	OCOG***B50ZPT		
	C541	SMD-CERAMIC-CAPA CC 1,2PF0,1PF50V	CIT	OR	CC	0009.4444.00	MURATA	GRM3	OCOG***B50ZPT		
	C542	SMD-CERAMIC-CAPA CC 1,8PF0,1PF50V	CIT	OR	CC	0009.4473.00	MURATA	GRM3	9C0G***B50ZPT		
	C543	SMD-CERAMIC-CAPA CC 1,8PF0,1PF50V	CIT	OR	CC	0009.4473.00	MURATA	GRM3	9COG***B5OZPT		
İ	C544	SMD-CERAMIC-CAPA CC 0.1PF+-0,05PF	CIT	OR I	СС	0010.7095.00	AVX	0603	5J *** AAW TR		
	C545	SMD-CERAMIC CAPA CC 2,7PF0,1PF50V	CIT	OR 0 0603	СС	0009.8291.00	MURATA	GRM3	9C0G***B50ZPT:		
	C546	SMD-CERAMIC-CAPA CC 1,2PFO,1PF50V	CIT NP	OR 0 0603 (СС	0009.4444.00	MURATA	GRM3	9C0G***B50ZPT		
	C547	SMD-CERAMIC-CAPA CC 0,3PF+-0,05PF	CIT	OR 0603	СС	0010.7114.00	AVX	0603	5J *** AAW TR		
	C548	SMD-CERAMIC CAPA CB 220PF 25V 0,2	CIT A	TOR 1205		1085.2245.00		NFM4	OR11C221		
	C549	EMI SUPPRESSION CC 0,1PF+-0,05PF	FIL :	0603	СС	0010.7095.00	AVX	0603	5J *** AAW TR		
	C550	SMD-CERAMIC CAPA CC 2,7PFO,1PF50V	CIT NP	0 0603	СС	0009.8291.00	MURATA	GRM3	9COG***B50ZPT		
	C551	SMD-CERAMIC-CAPA CB 220PF 25V 0,2	2A	1205		1085.2245.00	MURATA	NFM4	OR11C221		
, š	C552	EMI SUPPRESSION CC 0,8PF+-0,05PF	:	0603	СС	0010.7166.00	AVX	0603	5J *** AAW TR		
thte v	C553	SMD-CERAMIC CAPA CC 1,OPFO,1PF50V	/ NE	0603	СС	0009.8304.00	MURATA	GRM3	9C0G***B50ZPT		
le Rec	C554	SMD-CERAMIC-CAPA CC 220NF+-10%50V	/ X7	7R 1210	СС	0520.6850.00	AVX	1210	5C 224KA 11A		
uns alle Rechte vor.	C555	CERAMIC CAPACITO XX ENTHALTEN IN)R (CHIP							
wir	C556	INCLUDED IN CB 220PF 25V 0,2	!Α	1205		1085.2245.00	MURATA	NFM4	OR11C221		
	C557	EMI SUPPRESSION CC 0,8PF+-0,05PF	=	0603	СС	0010.7166.00	AVX	0603	5J *** AAW TR		
	C558	SMD-CERAMIC CAPA	=	0603	СС	0010.7095.00	AVX	0603	5J *** AAW TR		
	C559	SMD-CERAMIC CAPA	=	0603	СС	0010.7095.00	AVX	0603	5J *** AAW TR		
	C560	SMD-CERAMIC CAPA	√ NI	PO 0603	СС	0009.8291.00	MURATA	GRM3	9C0G***B50ZPT		
	C561	SMD-CERAMIC-CAPA	V NE	PO 0603	СС	0009.8304.00	MURATA	GRM3	9C0G***B50ZPT		
	C562	SMD-CERAMIC-CAPA	V N	PO 0603	СС	0009.8304.00	MURATA	GRM3	9C0G***B50ZPT		
	C563	SMD-CERAMIC-CAPA CC O, 1PF+-O, O5PF	F	0603	СС	0010.7095.00	XVA	0603	5J *** AAW TR		
	C564	SMD-CERAMIC CAPA	V N	PO_0603	СС	0009.8291.00	MURATA	GRMS	9C0G***B50ZPT		
	C565	SMD-CERAMIC-CAPA	V N	PO 0603	СС	0009.8304.00	MURATA	GRM3	9COG***B50ZPT		
	C566	SMD-CERAMIC-CAPA	V N	PO_0603	СС	0009.8304.00	MURATA	GRMS	9COG***B50ZPT		
	C567	SMD-CERAMIC-CAPA CC 2,7PF0,1PF50	V N	PO 0603	СС	0009.8291.00	MURATA	GRM	99C0G***B50ZPT		
	C568	SMD-CERAMIC-CAP	V_N	PO 0603	СС	0009.8291.00	MURATA	GRM	89COG***B50ZPT		
	C569	SMD-CERAMIC-CAP	F	0603	СС	0010.7166.0	XVA	0603	3 5J *** AAW TR		
	C570	SMD-CERAMIC CAP CB 220PF 25V 0,	2A	1205		1085.2245.0	MURATA	NFM4	4OR11C221		
	C571	EMI SUPPRESSION CC 220NF+-10%50	V X	7R 1210	cc	0520.6850.0	O AVX	1210	D 5C 224KA 11A		
		CERAMIC CAPACIT	UK	CHIP			, ,				
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293	1GPK	877 3PLU	A1	Date	-	Parts	list for		Stock No.		Page
.0026-0693	POUL	DE&SCHWARZ	14	22.09.99	EE 6-GHZ-ERWEITERUNG				1084.9600.0	1 SA	10+
E KOMDES		JEQSUNWARE	IANA			6GHZ EXTENSI	ON				

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g	1GPK	877 3PLU	Äl	Datum Date		Schalttei Parts I			Sachnummer Stock No.	Blatt-Nr. Page
	C617	CC 0,8PF+-0,05P SMD-CERAMIC CAP		0603 TOR	CC	0010.7166.00	AVX	0603	3 5J *** AAW TR	
ĺ	C616	CC 100NF+-10%16 CERAMIC CHIP CA	PAC	CITOR		1097.6292.00			05 X7R104K16AT	
	C615	CC 100NF+-10%16 CERAMIC CHIP CA	PAC	ITOR		1097.6292.00			D5 X7R104K16AT	
	C611 614	CC 33NF+-10% 25 SMD CERAMIC CAP				1051.4697.00			05X7R333K25VAT	
	C610	CB 220PF 25V 0, EMI SUPPRESSION	FI			1085.2245.00			FOR 11C221	
	C609	CC 0,8PF+-0,05P SMD-CERAMIC CAP	ACI		CC	0010.7166.00			3 5J *** AAW TR	
	C606 608	CC 470PF+-10%50 SMD-CERAMIC-CAP	ACI	TOR		0009.4896.00			89X7R***K5C500PT*	
	C605	CC O,8PF+-O,05P SMD-CERAMIC CAP	AÇI	TOR		0010.7166.00			3 5J *** AAW TR	
	C604	CC 2,7PFO,1PF50 SMD-CERAMIC-CAP	ACI	TOR		0009.8291.00			9COG***B50ZPT	
	C603	CC 2,7PFO,1PF50 SMD-CERAMIC-CAP	ACI	TOR		0009.8291.00			9C0G***B50ZPT	
	C602	CC 1,5PFO,1PF50 SMD-CERAMIC-CAP	ACI	TOR						
I		SMD-CERAMIC-CAP	ACI	TOR		0009.4450.00			99CDG***B50ZPT	
	C600	SMD-CERAMIC-CAP	ACI	TOR		0009.4450.00			9COG***B50ZPT	
	C600	SMD-CERAMIC CAP	ACI	TOR		0009.4844.00			9X7R***K5C500PT*	}
	C599	EMI SUPPRESSION CC 0,8PF+-0,05P	FI	LTER		0010.7166.00			5J *** AAW TR	
	C597	SMD CERAMIC CAP. CB 220PF 25V O.	ACI	tor l		1085.2245.00			OR11C221	
5	C597	SMD-CERAMIC CAP. CC 33NF+-10% 25	AÇI	TOR		1051.4697.00			95X7R333K25VAT	
aus eun	C596	SMD CERAMIC CAPA CC 15PF+-1% 50V	ACI	TOR		0008.2202.00			5J150FA000J	ĺ
9	C595	SMD-CERAMIC CAP CC 33NF+-10% 25	ACI	TOR		1051.4697.00		CM10	95X7R333K25VAT	
	C594	SMD CERAMIC CAPA CC 15PF+-1% 50V		C0G0603	СС	0008.2202.00	AVX	0603	5J150FA000J	
<u>.</u>	C593	SMD CERAMIC CAP CC 33NF+-10% 25	V H	DK 0603	СС	1051.4697.00	AVX	CM10	5X7R333K25VAT	
	C592	CERAMIC CAPACITI	V H	DK 0603	СС	1051.4697.00	AVX	CM10	95X7R333K25VAT	
	C591	SMD CERAMIC CAPA	V X	7R 1210	СС	0520.6850.00	AVX	1210	5C 224KA 11A	
	C590	CC 33NF+-10% 25	V H	DK 0603	СС	1051.4697.00	AVX	CM10	5X7R333K25VAT	
	C589	CC 18PF+-1% 50' SMD-CERAMIC-CAP	VNP	0 0603	CC	0048.3622.00	MURATA	GRM3	9C0G***F50ZPT	
	C588	CC 8,2PFO,1PF50	V N	PO 0603	CC	0009.4550.00	MURATA	GRM3	9COG***B50ZPT	
	C587	CC 8,2PFO,1PF50' SMD-CERAMIC-CAP		TOR		0009.4550.00			9COG***B50ZPT	
	C586	CC 220NF+-10%50 CERAMIC CAPACIT	OR (CHIP		0520.6850.00			5C 224KA 11A	
١	C585	CC 0,5PF+-0,05PF SMD-CERAMIC CAPA	ACI	TOR		0010.7137.00				
	C584	CC 2,2PF0,1PF50	ACI'	TOR					5J *** AAW TR	
	C583	CC 0,5PF+-0,05PI	ACI.	TOR		0009.4467.00			9COG***B5OZPT	İ
		SMD-CERAMIC CAPA	ACI.	TOR		0010.7137.00			5J *** AAW TR	
	C582	SMD-CERAMIC CAPA CC 1PF+-0, 1PF50	AÇI'	TOR		0008.2060.00			5J 1RO BAW TR	
	C581	SMD-CERAMIC CAPA CC 0,5PF+-0,05PI	ACI.	TOR		0010.7137.00		0603	5J *** AAW TR	
	C580	SMD-CERAMIC-CAPA	ACI.	TOR I	СС	0010.7108.00	AVX	0603	5J *** AAW TR	
	C579	SMD-CERAMIC CAPA	٩ÇI.	TOR PO 0603	СС	0009.8291.00	MURATA	GRM3	9COG***B5OZPT	
	577 C578	SMD-CERAMIC-CAPA	ACI.	TOR 0603	СС	0010.7095.00	AVX	0603	5J *** AAW TR	
	C575	SMD-CERAMIC-CAPA	50V	NPO 06	СС	0009.8285.00	MURATA	GRM3	9COG***B5OZPT	
Ì	C574	EMI SUPPRESSION CC 2,7PFO, 1PF50	/ N	PO 0603	СС	0009.8291.00	MURATA	GRM3	9COG***B5OZPT	
	C573	EMI SUPPRESSION CB 220PF 25V 0,2	2A	1205		1085.2245.00	MURATA	NFM4	OR11C221 -	
ľ	C572	CB 220PF 25V 0,2	2A	1205		1085.2245.00	MURATA	NFM4	OR11C221	
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6GHZ EXTENSION

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1	Comp. No.	Designation	Stock No.	Manufacturer	Designation	Containe	
	C618	CC 470PF+-10%50V HDK 0603	CC 0009.4896.00	MURATA	GRM39X7R***K5C500PT*		1
I	C619	SMD-CERAMIC-CAPACITOR CC 100NF+-10%16V HDK 0603	CC 1097.6292.00	AVX	CM105 X7R104K16AT		•
1		CERAMIC CHIP CAPACITOR	CC 0010.7166.00	ΔΛΑ	0603 5J *** AAW TR		
	C620	SMD-CERAMIC CAPACITOR			GRM39COG***B50ZPT		
	C621	CC 2,7PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.8291.00				
	C622	CC 100NF+-10%16V HDK 0603	CC 1097.6292.00	AVX	CM105 X7R104K16AT		1
	C623	CERAMIC CHIP CAPACITOR CC 100NF+-10%16V HDK 0603	CC 1097.6292.00	AVX	CM105 X7R104K16AT		
	C624	CERAMIC CHIP CAPACITOR CC 0.9PF+-0,05PF 0603	CC 0010.7172.00	AVX	0603 5J *** AAW TR		
		SMD-CERAMIC CAPACITOR	CC 0010.7150.00		0603 5J *** AAW TR		
	C625	SMD-CERAMIC CAPACITOR			0603 5J *** AAW TR		
	C626	CC 0,7PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7150.00				
	C627	CE 100UF+-20%16V RUND SMD SMD-ELECTOLYTIC CAPACIT.	CE 0009.6553.00	SANYO	16CV100F(G)S		
	C628	CE 100UF+-20%16V RUND SMD	CE 0009.6553.00	SANYO	16CV100F(G)S		
	C629	SMD-ELECTOLYTIC CAPACIT. CC 0,7PF+-0,05PF 0603	CC 0010.7150.00	AVX	0603 5J *** AAW TR		Ì
	C630	SMD-CERAMIC CAPACITOR CC 1,0PF0,1PF50V NPO 0603	CC 0009.8304.00	MURATA	GRM39COG***B50ZPT		
		SMD-CERAMIC-CAPACITOR	CC 0009.4444.00		GRM39COG***B50ZPT		
	C631	CC 1,2PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR			GRM39COG***B50ZPT		
	C632	CC 1,2PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4444.00	MURATA			ĺ
	C633	CC 0,7PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7150.00	AVX	0603 5J *** AAW TR		
	C634	CC 0.1PF+-0.05PF 0603	CC 0010.7095.00	AVX	0603 5J *** AAW TR		
	C635	SMD-CERAMIC CAPACITOR CC 0,7PF+-0,05PF 0603	CC 0010.7150.00	AVX	0603 5J *** AAW TR		
	C636	SMD-CERAMIC CAPACITOR CC 2,7PFO,1PF50V NPO 0603	CC 0009.8291.00	MURATA	GRM39COG***B50ZPT		
		SMD-CERAMIC-CAPACITOR CC 470PF+-10%50V HDK 0603	CC 0009.4896.00		GRM39X7R***K5C500PT*	*	
e vor	C637	SMD-CERAMIC-CAPACITOR			GRM39X7R***K5C500PT*		
alle Rechte vor.	C638	CC 1,ONF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00				
# E	C639	CB 220PF 25V 0,2A 1205 EMI SUPPRESSION FILTER	1085.2245.00	MURATA	NFM40R11C221		
sun	C640	CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00	XVA	CM105X7R333K25VAT		
×	C641	SMD CERAMIC CAPACITOR CC 1,ONF+-10%50V HDK 0603	CC 0009.4938.00	MURATA	GRM39X7R***K5C500PT*	*	
	C642	SMD-CERAMIC-CAPACITOR CC 1PF+-0,1PF50V COGO603	CC 0008.2060.00	XVA	0603 5J 1RO BAW TR		
	C643	SMD-CERAMIC CAPACITOR CB 220PF 25V 0,2A 1205	1085.2245.00	MURATA	NFM40R11C221		1
		EMI SUPPRESSION FILTER	CC 0009.4938.00		GRM39X7R***K5C500PT	*	
	C644	CC 1, ONF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR			GRM39X7R***K5C500PT		
	C645	CC 1,ONF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00				l
	C646	CC 100NF+-10%16V HDK 0603 CERAMIC CHIP CAPACITOR	CC 1097.6292.00	XVA	CM105 X7R104K16AT		
	C647	CC 82PF+-1% 50VNPO 0603	CC 1097.6363.0	MURATA	GRM39COG***F50ZPT		
	C648	SMD-CERAMIC-CAPACITOR CC 1,ONF+-10%50V HDK 0603	CC 0009.4938.0	O MURATA	GRM39X7R***K5C500PT	*	
	C649	SMD-CERAMIC-CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.0	OAVX	CM105X7R333K25VAT		
	C650	SMD CERAMIC CAPACITOR CC 100NF+-10%16V HDK 0603			CM105 X7R104K16AT		
		CERAMIC CHIP CAPACITOR			GRM39X7R***K5C500PT	*	
	C651	CC 1.ONF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR		ļ			
	C652	CC 330PF+-5% 50V HDK 0603 SMD CERAMIC CAPACITOR	1		GRM39X7R331J50PT		į
	C653	CC 1.ONF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.0	MURATA	GRM39X7R***K5C500PT	*	
	C654	CC 100PF+-1% 50VNP0 0603	CC 0009.4680.0	MURATA	GRM39COG***F50ZPT		
	C655	SMD-CERAMIC-CAPACITOR CC 18PF+-1% 50VNPO 0603	CC 0048.3622.0	O MURATA	GRM39COG***F50ZPT		•
	C656	SMD-CERAMIC-CAPACITOR CC 1,0NF+-10%50V HDK 0603	CC 0009.4938.0	O MURATA	GRM39X7R***K5C500PT	*	
	Ç030	SMD-CERAMIC-CAPACITOR					
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693					1084.9600.	N1 SA	10.1
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9	NON		6GHZ EXTENS	ON			

Stock No.

CC 1051.4697.00

CC 0009.4938.00 MURATA

CC 0009.4938.00 MURATA

Manutacturer

AVX

Designation

CM105X7R333K25VAT

GRM39X7R***K5C500PT*

GRM39X7R***K5C500PT*

contained in

Für diese Unterlage behalten wir uns alle Rechte vor. Comp. No.

C657

C658

C659

Designation

CC 33NF+-10% 25V HDK 0603

CC 1,0NF+-10%50V HDK 0603

CC 1,0NF+-10%50V HDK 0603

SMD CERAMIC CAPACITOR

SMD-CERAMIC-CAPACITOR

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♦	&SCHV	VA D'7	14	22.09.99	EE 6-GHZ-ERWEITERUNG	1084.9600.01 SA	13+
RONDE	: COUNT	MINE	1		6GHZ EXTENSION		

C702

XX ENTHALTEN IN

INCLUDED IN

	Comp. No.	Designation		Stock No.	Manufacturer	Desig	nation	contain	ed in
İ	C703	CC 100PF+-1% 50VNPO 06	03	CC 0009.4680.00	MURATA	GRM39	COG***F50ZPT		
l	C704	SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN							
I	C705	INCLUDED IN CC 470PF+-10%50V HDK 06	03	CC 0009.4896.00	MURATA	GRM39	X7R***K5C500PT*		
		SMD-CERAMIC-CAPACITOR		CC 0010.7095.00	ΔVX	0603	5J *** AAW TR		
ı	C706	SMD-CERAMIC CAPACITOR		00 00 10 . 700 3 . 00		••••			
	C707 709	XX ENTHALTEN IN ' INCLUDED IN							
	C710	CC 100PF+-1% 50VNPO OF SMD-CERAMIC-CAPACITOR	03	CC 0009.4680.00	MURATA	GRM39	COG***F50ZPT		
	C711	XX ENTHALTEN IN					To the state of th		1
	C712	INCLUDED IN CC 3,3PF 0,1PF 50V NPO	06	CC 0009.8285.00	MURATA	GRM39	COG***B50ZPT		
ı	C713	SMD-CERAMIC-CAPACITOR CC 0.4PF+-0.05PF 06	оз	CC 0010.7120.00	AVX	0603	5J *** AAW TR		
	C714	SMD-CERAMIC CAPACITOR XX ENTHALTEN IN							
		INCLUDED IN							l
	C715	XX ENTHALTEN IN INCLUDED IN					2020444752777		
	C716	CC 2,7PFO,1PF5OV NPO OF SMD-CERAMIC-CAPACITOR		CC 0009.8291.00			COG***B50ZPT		
	C717	CC 2,7PFO,1PF5OV NPO OF SMD-CERAMIC-CAPACITOR	03	CC 0009.8291.00	MURATA	GRM39	COG***B50ZPT		
	C718	CC 82PF+-1% 50VNPO 06	03	CC 1097.6363.00	MURATA	GRM39	COG***F50ZPT		
	C719	SMD-CERAMIC-CAPACITOR CC 8,2PFO,1PF50V NPO 06	03	CC 0009.4550.00	MURATA	GRM39	OCOG***B50ZPT		
	C720	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO 00	оз	CC 0009.4680.00	MURATA	GRM39	OCOG***F50ZPT		
	C721	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO 00	03	CC 0009.4680.00	MURATA	GRM39	OCOG***F50ZPT		
	C722	SMD-CERAMIC-CAPACITOR CC 0,5PF+-0,05PF 06	03	CC 0010.7137.00	AVX	0603	5J *** AAW TR		
	C723	SMD-CERAMIC CAPACITOR	603	CC 0010.7120.00	AVX	0603	5J *** AAW TR		
	C724	SMD-CERAMIC CAPACITOR CC 1,0NF+-10%50V HDK 00	юз.	CC 0009.4938.00		GRM39	9X7R***K5C500PT*		1
o v		SMD-CERAMIC-CAPACITOR							
alie Rechte vor	C725	XX ENTHALTEN IN INCLUDED IN							
alie :	C726	XX ENTHALTEN IN INCLUDED IN	_						
wir uns	C727	CC 100PF+-1% 50VNPO 00 SMD-CERAMIC-CAPACITOR	603	CC 0009.4680.00		GRM3	9C0G***F50ZPT		
3	C728	CC 100PF+-1% 50VNPO OF SMD-CERAMIC-CAPACITOR	603	CC 0009.4680.00	MURATA	GRM3	9COG***F5OZPT		
	C729	CB 220PF 25V 0,2A 13 EMI SUPPRESSION FILTER	205	1085.2245.00	MURATA	NFM4	OR11C221		
	C730		205	1085.2245.00	MURATA	NFM4	OR11C221		
	C731	CC 10NF+-10% 50VHDK O	803	CC 0009.4844.00	MURATA	GRM3	9X7R***K5C500PT*		
	C732	CC 10NF+-10% 50VHDK 0	803	CC 0009.4844.00	MURATA	GRM3	9X7R***K5C500PT*		
	C733		205	1085.2245.00	MURATA	NFM4	OR11C221		
	C734	,,	603	CC 0010.7108.00	AVX	0603	5J *** AAW TR		
	C735	SMD-CERAMIC CAPACITOR CC 0,4PF+-0,05PF 0	303	CC 0010.7120.00	AVX	0603	5J *** AAW TR		
	C736	SMD-CERAMIC CAPACITOR	503	CC 0010.7120.00		0603	5J *** AAW TR		
	C737	SMD-CERAMIC CAPACITOR CC 2,7PFO,1PF50V NPO 0		CC 0009.8291.00		GRM3	9C0G***B50ZPT		
		SMD-CERAMIC-CAPACITOR		CC 0009.8291.00			9C0G***B50ZPT		
	C738	CC 2,7PFO,1PF5OV NPO O SMD-CERAMIC-CAPACITOR					9C0G***F50ZPT		
	C739	CC 100PF+-1% 50VNPO 0 SMD-CERAMIC-CAPACITOR		CC 0009.4680.00	i				
	C740	CC 100PF+-1% 50VNPO 0 SMD-CERAMIC-CAPACITOR	503	CC 0009.4680.00			9COG***F50ZPT		
	C741	CC 2,7PFO,1PF5OV NPO O SMD-CERAMIC-CAPACITOR	603	CC 0009.8291.00			9COG***B5OZPT		
	C742	CC 100PF+-1% 50VNPO C SMD-CERAMIC-CAPACITOR	603	CC 0009.4680.00	MURATA	GRM3	9COG***F50ZPT		
	C743	CC 2,7PFO, 1PF5OV NPO C SMD-CERAMIC-CAPACITOR	603	CC 0009.8291.00	MURATA	GRM3	9COG***B50ZPT		
		SMID-CERAMITC-CAPACITOR							
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9.00	HOME	CASUNMANA		6GH7 FXTENSI	ΩN	ì			

L	Comp. No.	Designation	310CX 140.	111611018018101		
	C744	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00		9COG***F50ZPT	
	C745	CC 2,7PF0,1PF50V NPO 0603	CC 0009.8291.00	MURATA GRM3	9COG***B50ZPT	
	747 C748	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA GRM3	9C0G***F50ZPT	
	C749	SMD-CERAMIC-CAPACITOR CC 2,7PFO,1PF5OV NPO 0603	CC 0009.8291.00	MURATA GRM3	9COG***B50ZPT	
1	752	SMD-CERAMIC-CAPACITOR				
	C753	XX ENTHALTEN IN INCLUDED IN				
	C754	CC 2,7PFO,1PF50V NPO 0603	CC 0009.8291.00	MURATA GRM3	9COG***B50ZPT	
1	C2EE	SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN				
	C755	INCLUDED IN				
	C756	CC 2,7PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.8291.00	MURATA GRM3	39COG***B5OZPT	
	C757	XX ENTHALTEN IN				
	Ç758	INCLUDED IN CC 2,7PFO,1PF50V NPO 0603	CC 0009.8291.00	MURATA GRM3	B9COG***B5OZPT	
		SMD-CERAMIC-CAPACITOR			B9COG***B5OZPT	
1	C759	CC 2.7PFO, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.8291.00	MURATA GRIVIS	19CUG****B502F1	
	C760	XX ENTHALTEN IN				
•	C761	INCLUDED IN CC 0,5PF+-0,05PF 0603	CC 0010.7137.00	AVX 0603	3 5J *** AAW TR	
		SMD-CERAMIC CAPACITOR CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA GRMS	39CDG***F50ZPT	
	C762	SMD-CERAMIC-CAPACITOR				
	C763	CC 2,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.8291.00	MURATA GRM3	B9COG***B5OZPT	
	C764	CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MURATA GRMS	39X7R***K5C500PT*	
	768 C769	SMD-CERAMIC-CAPACITOR CC 1,OPFO,1PF50V NPO 0603	CC 0009.8304.00	MURATA GRMS	B9COG***B5OZPT	
		SMD-CERAMIC-CAPACITOR	CC 0009.8291.00	MUDATA CPMS	39COG***B50ZPT	
	C770	CC 2,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR				
_	C771	CC 2,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.8291.00	MURATA GRM3	B9COG***B50ZPT	
halte. 'or.	C772	CC 10P+-0, 1PF50V NPO 0603	CC 0009.4567.00	MURATA GRMS	B9COG***B50ZPT	
e be	C773	SMD-CERAMIC-CAPACITOR CC 1,0PFO,1PF50V NPO 0603	CC 0009.8304.00	MURATA GRMS	39COG***B50ZPT	
Für diese Unterlage behalten wir uns alle Rechte vor.	C774	SMD-CERAMIC-CAPACITOR CC 2,7PFO,1PF50V NPO 0603	CC 0009.8291.00	MURATA GRMS	39C0G***B50ZPT	
se Un Ils s⊓	C775	SMD-CERAMIC-CAPACITOR CC 2,7PF0,1PF50V NPO 0603	CC 0009.8291.00	MURATA GRMS	39C0G***B50ZPT	
r die: wir u	C776	SMD-CERAMIC-CAPACITOR CC 10P+-0,1PF50V NPO 0603	CC 0009.4567.00	MURATA GRM3	39COG***B5OZPT	
£	C777	SMD-CERAMIC-CAPACITOR CC 2,7PFO,1PF50V NPO 0603	CC 0009.8291.00		39COG***B5OZPT	
	782	SMD-CERAMIC-CAPACITOR				
	C783	CC 10P+-0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	MURATA GRM	39COG***B50ZPT	
İ	C784	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	MURATA GRM	39C0G***F50ZPT	
	C785	CC 2,7PFO,1PF50V NPO 0603	CC 0009.8291.00	MURATA GRM	39C0G***B50ZPT	
ĺ	C786	SMD-CERAMIC-CAPACITOR CC 2,7PFO,1PF50V NPO 0603	CC 0009.8291.00	MURATA GRM	39C0G***B50ZPT	
	C787	SMD-CERAMIC-CAPACITOR CC 10P+-0,1PF50V NPO 0603	CC 0009.4567.00	MURATA GRM	39C0G***B50ZPT	
	C788	SMD-CERAMIC-CAPACITOR CC 0.9PF+-0.05PF 0603	CC 0010.7172.00	AVX 060	3 5J *** AAW TR	
		SMD-CERAMIC CAPACITOR				
	C789 792	CC 2,7PFO,1PF5OV NPO 0603	CC 0009.8291.00	MURAIA GRIVI	39CDG***B50ZPT	
	C793	CC 0,3PF+-0,05PF 0603	CC 0010.7114.00	AVX 060	3 5J *** AAW TR	
	C794	SMD-CERAMIC CAPACITOR XX ENTHALTEN IN				
	C795	INCLUDED IN CC 0,3PF+-0,05PF 0603	CC 0010.7114.00	AVX 060	3 5J *** AAW TR	
		SMD-CERAMIC CAPACITOR	CC 0009.4473.00		39C0G***B50ZPT	
	C796	CC 1,8PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR				
	C797	CC 0,7PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7150.00	1AVX 060	3 5J *** AAW TR	
	C798	CC 2,7PFO, 1PF50V NPO 0603	CC 0009.8291.00	MURATA GRM	39C0G***B50ZPT	
	C799	SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN				
		INCLUDED IN				
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- (Comp. No.	Designation	Stack No.	Menufacturer	Designation	2077,0	
r	C800	CC 1,0PFO,1PF50V NPO 0603	CC 0009.8304.00	MURATA	GRM39COG***B50ZPT		
	C801	SMD-CERAMIC-CAPACITOR CC 0,7PF+-0,05PF 0603	CC 0010.7150.00	AVX	0603 5J *** AAW TR		1
	C802	SMD-CERAMIC CAPACITOR CC 2,2PFO,1PF50V NPO 0603	CC 0009.4467.00	MURATA	GRM39COG***B50ZPT		
- 1		SMD-CERAMIC-CAPACITOR CC 2,2PFO,1PF50V NPO 0603	CC 0009.4467.00	MURATA	GRM39COG***B50ZPT		
l	C803	SMD-CERAMIC-CAPACITOR					
	C804	XX ENTHALTEN IN INCLUDED IN			07400000+++PF07PT		
	C805	CC 2.7PFO, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.8291.00	MURATA	GRM39COG***B50ZPT		
	C806	CC 2,7PFO, 1PF50V NPO 0603	CC 0009.8291.00	MURATA	GRM39COG***B50ZPT		
	C807	SMD-CERAMIC-CAPACITOR CC 0,5PF+-0,05PF 0603	CC 0010.7137.00	AVX	0603 5J *** AAW TR		
1	C808	SMD-CERAMIC CAPACITOR CC 0,3PF+-0,05PF 0603	CC 0010.7114.00	AVX	0603 5J *** AAW TR		Ì
1		SMD-CERAMIC CAPACITOR CC 0,4PF+-0,05PF 0603	CC 0010.7120.00	AVX	0603 5J *** AAW TR		
	C809	SMD-CERAMIC CAPACITOR					
	C810 813	XX ENTHALTEN IN INCLUDED IN			0603 5J *** AAW TR		
l	C814	CC 0,1PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7095.00				
	C815	CC 0,1PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7095.00	AVX	0603 5J *** AAW TR		
l	C816	CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
	C817	SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
	C818	SMD-CERAMIC-CAPACITOR CC 0.8PF+-0.05PF 0603		AVX	0603 5J *** AAW TR		
1		SMD-CERAMIC CAPACITOR CC 2,7PF0,1PF50V NPO 0603			GRM39COG***B5OZPT		
	C819	SMD-CERAMIC-CAPACITOR	1		0603 5J *** AAW TR		
	C820	CC 0,6PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR					
İ	C821	CC 1,0PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.8304.00	MURATA	GRM39COG***B50ZPT		
۷٥٢.	C822	CC 0,9PF+-0,05PF 0603	CC 0010.7172.00	AVX	0603 5J *** AAW TR		
	C823	SMD-CERAMIC CAPACITOR CC 2,7PFO,1PF5OV NPO 0603	CC 0009.8291.00	MURATA	GRM39COG***B50ZPT		
alle Rechte	C824	SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN					
is all	C825	INCLUDED IN CC 0,2PF+-0,05PF 0603	CC 0010.7108.00	AVX	0603 5J *** AAW TR		
wir uns		SMD-CERAMIC CAPACITOR CC 56PF+-1% 50VNPO 0603			GRM39COG***F50ZPT		
	C826	SMD CERAMIK CAPACITOR	CC 1093.0417.00	MORATA	GAMBOOD TO SEE		
ı	C827 830	XX ENTHALTEN IN INCLUDED IN					
	C831	CC 0,2PF+-0,05PF 0603 SMD-CERAMIC CAPACITOR	CC 0010.7108.00	PIAVX	0603 5J *** AAW TR		
	C832	XX ENTHALTEN IN INCLUDED IN					
l	C838	LD 2,2NH+-0,3NH 0,3A 0603	LD 0009.6618.00	токо	LL1608-FH2N2S		
	C839	SMD-MULTILAYER INDUCTOR CC 2,7PF0,1PF50V NPO 0603	CC 0009.8291.00	MURATA	GRM39COG***B50ZPT		
	841 C842	SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN					
		INCLUDED IN CC 1,8PF0,1PF50V NPO 0603	CC 0009.4473.0	MURATA	GRM39COG***B5OZPT		
	C843	SMD-CERAMIC-CAPACITOR	1		GRM39CDG***B50ZPT		
	C844	CC 1,8PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR					
	C845 847	CC 18PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0048.3622.0		GRM39COG***F5OZPT		
,	C848	CC 0,7PF+-0,05PF 0600 SMD-CERAMIC CAPACITOR	3 CC 0010.7150.0	O AVX	0603 5J *** AAW TR		
	C849	CC 18PF+-1% 50VNPO 0603	CC 0048.3622.0	OMURATA	GRM39COG***F50ZPT		
	C850	SMD-CERAMIC-CAPACITOR CC 18PF+-1% 50VNPO 0603	CC 0048.3622.0	OMURATA	GRM39COG***F50ZPT		
	C851	SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN		***			
		INCLUDED IN XX ENTHALTEN IN					
	C852	INCLUDED IN	CC 0048.3622.0	MURATA	GRM39COG***F5OZPT		
	C853	CC 18PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	0048.3622.0	MURATA	GINIOSOUG 1 SULF I	Ē	
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.0026-0693	♦	14 22.09.	99 EE 6-GHZ-ERV	VEITERUNG	1084.9600.0	11 SA	16+
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Simb-CERAMIC-CAPACITOR SWIN-CERAMIC-CAPACITOR 1GPK	877 3PLU	Äl								Blatt-Nr.		
SiMO-CERAMIC-CAPACITOR XX ENTHALTEN IN XX		C959	•			CC	0010	.7166.00	AVX	0603	3 5J *** AAW TR	
SMO-CERAMIC-CAPACITOR SMO-CERAMIC-CAPACITOR SMCLUBED IN SMCLEARMIC CAPACITOR SMCLUBED IN SMCLUBED IN SMCLUBED IN SMCLEARMIC CAPACITOR SMCLUBED IN SMCLUBED IN SMCLUBED IN SMCLUBED IN SMCLUBED IN SMCLUBED IN SMCLUBED IN SMCLUBED IN SMCLUBED IN SMCLUBED IN SMCLUBED IN SMCLUBED IN SMCLEARMIC CAPACITOR SMCLUBED IN SMCLUBED		C958	CC 1,2PFO,1PF50 SMD-CERAMIC-CAF	OV N	NPO 0603 LTOR							
SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMC			CC 0,8PF+-0,05F	F	0603	СС	0010	.7166.00	AVX	0603	3 5J *** AAW TR	
SMO_CERAMIC_CAPACITOR SMO_			CC 100PF+-1% 5	OVI	IPO 0603	СС	0009	.4680.00	MURATA	GRM	39COG***F50ZPT	
SMD_CERAMIC_CAPACITOR SMD_CERAMIC_CAPACITOR SMD_CERAMIC_CAPACITOR SMC_CERAMIC_CAPACITOR SMC_			CC 1PF+-0, 1PF50)V	C0G0603	СС	8000	.2060.00	AVX	0603	3 5J 1RO BAW TR	
SMD-CERAMIC-CAPACITOR CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***F50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00 MURATA GRM39COG***B50ZPT CC COOP. 4538.00		C949	CC 0,8PF+-0,05P	۶F	0603	СС	0010	.7166.00	AVX	0603	3 5J *** AAW TR	
SMD-CERAMIC-CAPACITOR		C948	CC 0,4PF+-0,05P	F	0603	СС	0010	.7120.00	AVX	0603	3 5J *** AAW TR	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN XX E		C947	CC 0,9PF+-0,05P	F	0603	СС	0010	7172.00	AVX	0603	3 5J *** AAW TR	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN XX E		C946	CC 0,1PF+-0,05P	F	0603	СС	0010	. 7095 . 00	AVX	0603	3 5J *** AAW TR	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN XX E		C945	CC 3,3PF 0,1PF	50V	NPO 06	СС	0009	.8285.00	MURATA	GRMS	39COG***B5OZPT	
SMD-CERAMIC-CAPACITOR Xx ENTHALTEN IN Xx E		C944	CC 56PF+-1% 5	AVO	IPO 0603	СС	1093.	.6417.00	MURATA	GRMS	39COG***F5OZPT	ĺ
SMD-CERAMIC-CAPACITOR CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4538.00 MURATA GRM39COG***B50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***F50ZPT CC 0009.4509.00 MURATA GRM39COG***B50ZPT CC 0.77PF-0.05PF O603 MURATA GRM39COG***B50ZPT CC 0.77PF-0.05PF O603 MURATA GRM39COG***B50ZPT CC 0.77PF-0.05PF O603 MURATA GRM39COG***B50ZPT CC 0.77PF-0.05PF O603 MURATA GRM39COG***B50ZPT CC 0.77PF-0.05PF O603 MURATA GRM39COG***B50ZPT CC 0.77PF-0.05PF O603 MURATA GRM39COG***B50ZPT CC 0.77PF-0.05PF O603 MURATA GRM39COG***B50ZPT CC 0.77PF-0.05PF O603 MURATA GRM39COG***B50ZPT CC 0.77PF-0.05PF O603 MURATA GRM39COG***B50ZPT CC 0.77PF-0.05PF O603 MURATA GRM39COG***B50ZPT CC 0.77PF-0.05PF O603 MURATA GRM39COG***B50ZPT CC 0.			CC 1,5PF0,1PF50	V N	IPO 0603	СС	0009	.4450.00	MURATA	GRM	39COG***B50ZPT	
SMD-CERAMIC-CAPACITOR CC A.7PFO.1PF50V NPO O603 SMD-CERAMIC-CAPACITOR CR894 XX ENTHALTEN IN INCLUDED IN INCLUD			CC 0,4PF+-0,05P	F	0603	СС	0010.	7120.00	AVX	0603	3 5J *** AAW TR	
SMD-CERAMIC-CAPACITOR		C932	CC 3,3PF 0,1PF	50V	NPO 06	СС	0009	.8285.00	MURATA	GRMS	39C0G***B50ZPT	
SMD-CERAMIC-CAPACITOR		C931	CC 3,3PF 0,1PF	50V	NPO 06	СС	0009	.8285.00	MURATA	GRMS	39C0G***B50ZPT	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN XX E		C930	CC 0,7PF+-0,05P	F	0603	СС	0010.	7150.00	AVX	0603	3 5J *** AAW TR	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN XX E		C929	CC 0,7PF+-0,05P			СС	0010.	7150.00	AVX	0603	3 5J *** AAW TR	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN CC 4.7PF0, IPF50V NPO 0603 SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN		C928	XX ENTHALTEN IN		TOR							
SMO-CERAMIC-CAPACITOR XX ENTHALTEN IN CC 4,7PFO,1PF50V NPO 0603 SMO-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN		C927	CC 4,7PF0,1PF50	V N	PO 0603	СС	0009.	4538.00	MURATA	GRMS	39C0G***B50ZPT	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN CC 4,7PF0, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN XMD-CERAMIC-CAPACITOR CC 22PF+-1% SOVNPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.4609.00 MURATA GRM39COG***F50ZPT CT 1,00F+-10%50V HDX 0603 SMD-CERAMIC-CAPACITOR CC 100PF+-1% SOVNPO 0603 SMD-CERAMIC-CAPACITOR CC 100PF+-1% SOVNPO 0603 SMD-CERAMIC-CAPACITOR CC 100PF+-1% SOVNPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.4680.00 MURATA GRM39COG***F50ZPT CC 100PF+-1% SOVNPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.4680.00 MURATA GRM39COG***F50ZPT CC 100PF+-1% SOVNPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.4680.00 MURATA GRM39COG***F50ZPT CC 2, 7PF0, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.4680.00 MURATA GRM39COG***F50ZPT CC 2, 7PF0, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.4680.00 MURATA GRM39COG***F50ZPT CC 2, 7PF0, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.4680.00 MURATA GRM39COG***F50ZPT CC 2, 7PF0, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.4680.00 MURATA GRM39COG***F50ZPT CC 2, 7PF0, 1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CC 0009.4680.00 MURATA GRM39COG***F50ZPT CC 2, 7PF0, 1PF50V NPO 0603 MURATA GRM39COG***F50ZPT CC 2, 7PF0, 1PF50V NPO 0603 MURATA GRM39COG***F50ZPT MURATA GRM39COG***F50ZPT MURATA GRM39COG***F50ZPT MURATA GRM39COG***F50ZPT MURATA GRM39CO		C926	CC 4,7PF0,1PF50			СС	0009.	4538.00	MURATA	GRM3	39COG***B5OZPT	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN C84 XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN XX ENTHALTEN I		C925	XX ENTHALTEN IN	l								
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN SX ENTHALTEN IN INCLUDED I		C924	XX ENTHALTEN IN		TOR							
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN INCLUDED IN INCL			CC 2,7PF0,1PF50	VN	PO 0603	СС	0009.	8291.00	MURATA	GRMS	39C0G***B50ZPT	
SMD-CERAMIC-CAPACITOR		C919				СС	0009.	4680.00	MURATA	GRM3	39C0G***F50ZPT	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN C 4,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN C897 XX ENTHALTEN IN INCLUDED IN C7 SMD-CERAMIC-CAPACITOR C7 S		C918	SMD-CERAMIC-CAP	ACI OVN	TOR IPO 0603	СС	0009.	4680.00	MURATA	GRMS	39C0G***F50ZPT	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN CC 4,7PF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN CR84 XX ENTHALTEN IN INCLUDED IN CR88 XX ENTHALTEN IN INCLUDED IN CR88 XX ENTHALTEN IN INCLUDED IN CR88 XX ENTHALTEN IN INCLUDED IN CR89 XX ENTHALTEN IN INCLUDED IN CR91 XX ENTHALTEN IN INCLUDED IN CR97 XX ENTHALTEN IN INCLUDED IN CR97 XX ENTHALTEN IN INCLUDED IN CR97 XX ENTHALTEN IN CR97 XX ENTHALTEN IN CR97 XX ENTHALTEN IN CR90 CC 3,3NF+-10% SOVHDK 0603 CC 0048.5390.00 MURATA GRM39X7R332K5C50OPT CR90 CC 33NF+-10% SOVHDK 0603 CC 1051.4697.00 AVX CM105X7R333K25VAT CR912 CC 22PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CR914 CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CR914 CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CR914 CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF+-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF*-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF*-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF*-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF*-1% SOVNPO 0603 CC 1093.6417.00 MURATA GRM39COG***F50ZPT CC 56PF*-			CC 1, ONF+-10%50	V H	IDK 0603	СС	0009.	4938.00	MURATA	GRMS	39X7R***K5C500PT*	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN			CC 56PF++1% 5	OVN	IPO 0603	СС	1093.	6417.00	MURATA	GRMS	39C0G***F ⁵ 50ZPT	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN NCC 4,7FF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CUDED IN SMD-CUDED IN SMD-CUDED IN SMD-CUDED IN SMD-CUDED IN SMD-CUDED IN SMD-CUDED IN SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR CC 33NF+-10% 25V HDK 0603 CC 1051.4697.00 AVX			CC 22PF+-1% 5	OVN	IPO 0603	СС	0009.	4609.00	MURATA	GRMS	39C0G***F50ZPT	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN CC 4,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR CR80 XX ENTHALTEN IN INCLUDED IN INCLUDED IN CR84886 INCLUDED IN INCLUDED IN INCLUDED IN CR89 XX ENTHALTEN IN INCLUDED IN INCLUDED IN INCLUDED IN INCLUDED IN CR89 XX ENTHALTEN IN INCLUDED IN INCLUDED IN CR89 XX ENTHALTEN IN INCLUDED IN INCLUDED IN CR89 TX ENTHALTEN IN INCLUDED IN CR89 TX ENTHALTEN IN INCLUDED IN CR89 TX ENTHALTEN IN INCLUDED IN CR89 TX ENTHALTEN IN INCLUDED IN CR89 TX ENTHALTEN IN INCLUDED IN CR89 TX ENTHALTEN IN TREATMENT TREATME			CC 33NF+-10% 25	V H	IDK 0603	СС	1051.	4697.00	AVX	CM10	D5X7R333K25VAT	
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN CC 4,7FF0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR CR80 XX ENTHALTEN IN INCLUDED IN CR84 XX ENTHALTEN IN INCLUDED IN CR88 XX ENTHALTEN IN INCLUDED IN CR88 XX ENTHALTEN IN INCLUDED IN CR89 XX ENTHALTEN IN INCLUDED IN CR89 XX ENTHALTEN IN INCLUDED IN CR89 XX ENTHALTEN IN INCLUDED IN CR89 XX ENTHALTEN IN INCLUDED IN CR89 XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN XX ENTHALTEN IN XX ENTHALTEN IN			CC 3,3NF+-10% 5			СС	0048.	5390.00	MURATA	GRMS	39X7R332K5C500PT	,
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN CC 4,7PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR CS80 XX ENTHALTEN IN INCLUDED IN CS84 XX ENTHALTEN IN INCLUDED IN CS88 XX ENTHALTEN IN INCLUDED IN CS88 XX ENTHALTEN IN INCLUDED IN CS89 XX ENTHALTEN IN INCLUDED IN CS89 XX ENTHALTEN IN INCLUDED IN CS89 XX ENTHALTEN IN INCLUDED IN CS89 XX ENTHALTEN IN INCLUDED IN CS89 XX ENTHALTEN IN		C897	XX ENTHALTEN IN									
SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN CC 4,7PFO,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN INCLUDED IN CR84 XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN INCLUDED IN INCLUDED IN INCLUDED IN INCLUDED IN INCLUDED IN INCLUDED IN INCLUDED IN	l		XX ENTHALTEN IN	1								
SMD-CERAMIC-CAPACITOR C855		C889										
SMD-CERAMIC-CAPACITOR C855			INCLUDED IN XX ENTHALTEN IN									
SMD-CERAMIC-CAPACITOR C855	١			ĺ								
SMD-CERAMIC-CAPACITOR C855 XX ENTHALTEN IN878 INCLUDED IN		C880	SMD-CERAMIC-CAP	ACI								
SMD-CERAMIC-CAPACITOR	l			V N	PO 0603	СС	0009.	4538.00	MURATA	GRM3	B9COG***B5OZPT	
C854 CC 4,7PFO,1PF50V NPO 0603 CC 0009.4538.00 MURATA GRM39COG***B50ZPT	l				TOR							
Comp. No. Designation Glock No. Membracture Designation	F		CC 4,7PFO,1PF50	V N		СС						

6GHZ EXTENSION

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	Comp. No.	Designation			Stock	No.	Manufacturer		gnation			
	C964	CC 0,8PF+-0,05PF	0603	СС	0010.7	7166.00	AVX	0603	5J ***	AAW TR		
	C965	SMD-CERAMIC CAPAC CC 1PF+-0, 1PF50V	ITUR COGO6O3	СС	0008.2	2060.00	AVX	0603	5J 1R0	BAW TR		İ
1	ı	SMD-CERAMIC CAPAC	ITOR	CC	0008.2	2060.00	ΔVX	0603	5J 1RO	BAW TR		
	C966	CC 1PF+-O, 1PF5OV SMD-CERAMIC CAPAC	ITOR									1
- [C967	RG 100R +-1% TK10 SMD RESISTOR EIAO	0 0603 603	RG	0009.5	5334.00	PHILIPS_CO					
	C968	CC 1PF+-0, 1PF50V	C0G0603	cc	0008.3	2060.00	AVX	0603	5J 1R0	BAW TR		
	C969	SMD-CERAMIC CAPAC CC 0,8PF+-0,05PF	0603	СС	0010.	7166.00	AVX	0603	5J ***	AAW TR		
		SMD-CERAMIC CAPAC	ITOR									1
	C970 972	INCLUDED IN				4467 00	SALSED A T A	CDM20	3CDC***	B50ZPT		
	C973	CC 2,2PFO,1PF5OV SMD-CERAMIC-CAPAC	NPO 0603 ITOR			4467.00						1
	C974	CC 10P+-0,1PF50V	NPO 0603	CC	0009.4	4567.00	MURATA	GRM39	9COG***	B50ZPT		
	C975	SMD-CERAMIC-CAPAC CC 0,2PF+-0,05PF	0603	cc	0010.	7108.00	AVX	0603	5J ***	AAW TR		
	C976	SMD-CERAMIC CAPAC CC 0.3PF+-0.05PF	ITOR 0603	cc	0010.	7114.00	AVX	0603	5J ***	AAW TR		
l		SMD-CERAMIC CAPAC										
l	C977 979	XX ENTHALTEN IN INCLUDED IN					1015 4 T 1	CDMO	2000***	*BEA75T		
ı	C982	CC 2,2PFO,1PF5OV SMD-CERAMIC-CAPAC	NPO 0603 SITOR			4467.00		GKWIJS	3CUG***	B50ZPT		
1	C983	CC 2,2PFO,1PF5OV SMD-CERAMIC-CAPAC	NPO 0603	cc	0009.	4467.00	MURATA	GRM39	9C0G***	*B50ZPT		
l	C984	CC 2,7PFO,1PF50V	NPO 0603	cc	0009.	8291.00	MURATA	GRM39	9C0G***	*B50ZPT	***************************************	
	C985	SMD-CERAMIC-CAPAC CC 2,7PFO,1PF5OV	ITOR NPO 0603	СС	0009.	8291.00	MURATA	GRM39	9C0G***	*B50ZPT		
		SMD-CERAMIC-CAPAC	CITOR									
- 1	D1	BS DG419DY 1XUM A	NALOGSCH		0746.	0322.00	SILICONIX	DG419	9DY			
ł	D2	ANALOG SWITCH BJ DAC8143FS	X12B-DAC		1012.	9510.00	PMI	DAC8	143FS			
ļ	D3	12B SERIAL D/A-CO	NVERTER IX12B-DAC		1012.	9510.00	PMI	DAC8	143FS			
ě		12B SERIAL D/A-CO	NVERTER				SILICONIX					
wir uns alle Rechte vor.	D4	BS DG419DY 1XUM A ANALOG SWITCH										
Rec	D5	BS DG419DY 1XUM A	NALOGSCH		0746.	0322.00	SILICONIX	DG4 1	9DY			
S all	D6	BL PC74HC4094T 85			0804.	0977.00	PHILIPS_SE	(PC)	74HC409	94(D/T)		
ir E	D7		(2IN EXOR	BL	. 0007.	3511.00	PHILIPS_SE	(PC)	74HC86	(D/T)		
*	D8	QUAD 2INPUT EXODE BS DG413DY 2A2R			1004.	7058.00	SILICONIX	DG41	3DY			
l	D9	QUAD ANALOG CMOS BS DG413DY 2A2R			1004	7058.00	SILICONIX	DG41	3DY			ļ
		QUAD ANALOG CMOS	.SWITCH	, n			PHILIPS_SE			05(D/T)		
l	D10	BL PC74HCT125T 47 QUAD LINE DRIVER										
	D11	BL PC74HCT125T 4	KBUFF. 3S	BL	. 0007.	5395.00	PHILIPS_SE	(PC)	74HCT 1:	25(0/1)		
1	D12	BL PC74HCT132T 4	X2IN SCHM	BL	0007.	6340.00	PHILIPS	(PC)	74HCT1	32(D/T)		
ŀ	D13	NAND SCHMITT TRIE BL PC74HC4094T 8	ST.BUSREG		0804.	0977.00	PHILIPS_SE	(PC)	74HC40	94(D/T)		l
I	D14	8-STAGE SHIFT&ST			0804.	.0977.00	PHILIPS_SE	(PC)	74HC40	94(D/T)		
		8-STAGE SHIFT&ST BL 74ACT86SC 4X	ORE REG.	RI	2005	4307 00	HARRIS	(CD7	4)ACT8	6(M)		
i	D15	QUAD 2-INPUT EXO	R GATE					•	•			
	D16	BL PC74HC4094T 8 8-STAGE SHIFT&ST	ORE REG.				PHILIPS_SE			94(0/1)		
	D17	BS DG419DY 1XUM ANALOG SWITCH	ANALOGSCH		0746.	.0322.00	SILICONIX	DG41	9DY			
	D19	BJ LTC1446L	2X12-DAC		1085	. 2200.00	LINEAR_TEC	(LTC) 1446L	I(S8)		
	D20	12B SERIAL D/A-C BL PC74HCTOOT 4	UNVERTER X2IN.NAND	BI	0007	.6156.00	PHILIPS_SE	(PC)	74HCT0	OD(T)		j
	D21	NAND GATE BJ LTC1446L	2X12-DAC		1085	, 2200 . 00	LINEAR_TEC	C (LTC	C) 1446L	I(S8)		Ì
		12B SERIAL D/A-C	ONVERTER				SILICONIX					
	D22 24	BS DG411DY 4X ANALOG SWITCH			-		ļ			NE 1 (D / T)		
	D25	BL PC74HC4051T 8 8CHANNEL ANAL.MU	CH.AN.MUX LTIPLEXER		0007	.3592.00	PHILIPS_S	: (PC)	740040	51(0/1)		
	1GPK	877 3PLU	Datum Date				illiste für list for			Sachnumme: Stock No.		Blatt-Nr. Page
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	L37	LD 4,7NH+-10% SMD-MULTILAYER		3A 0603 UCTOR	רט	0009	.6653.0	טאטוןע	LL 1	608-FHK(J)	
	L36	LD 4,7NH+-10% SMD-MULTILAYER	IND				.6653.00			608-FHK(J)	
	L35	LD 6,8NH+-10% SMD-MULTILAYER	IND				.6676.00			608-FHK(J)	
ļ	L34	LD 4,7NH+-10% SMD-MULTILAYER		3A 0603 UCTOR			.6653.00			608-FHK(J)	
	L33	LD 2,2NH+-0,3NF SMD-MULTILAYER					.6618.00			508-FH2N2S	
	L32	LD 2,2NH+-0,3NH SMD-MULTILAYER	10,	3A 0603	LD	0009	.6618.00	TOKO	LL16	608-FH2N2S	
l	L31	LD 82NH +-10% C SMD-MULTILAYER	ΑЕ,(0805	LD	0009	.6853.00	TOKO	LL20	D12-FH47NK(J)	
	L30	LD 82NH +-10% O SMD-MULTILAYER	ΑΕ,(0805			.6853.00		LL20	D12-FH47NK(J)	
	L29	LD 56NH +-10% O SMD-MULTILAYER		0805 UCTOR	LD	0009	.6830.00	TOKO	LL20)12-FH56NK(J)	
	L28			BA 1210	LD	6006	.0130.00	SIEMENS	B824	422-A1102-J(K)100	
	L27	LD 3,3NH+-10% SMD-MULTILAYER	0,	3A 0603	LD	0009	.6630.00	токо	LL16	508-FHK(J)	
	L26	LD 3,3NH+-10% SMD-MULTILAYER		3A 0603 UCTOR	LD	0009	.6630.00	TOKO	LL16	608-FHK(J)	
	L25			BA 1210	LD	6006	.0130.00	SIEMENS	B824	422-A1102-J(K)100	
	L24	LD 3,3NH+-10% SMD-MULTILAYER	0,3	3A 0603	LD	0009	.6630.00	TOKO	LL16	608-FHK(J)	
	L23	LD 2,2NH+-0,3NH SMD-MULTILAYER	0,	3A 0603	LD	0009	.6618.00	TOKO	LL16	608-FH2N2S	
<u>.</u>	L20	LD 2,7NH+-0,3NH SMD-MULTILAYER	0,	3A 0603	LD	0009	.6624.00	TOKO	LL16	508-FH2N7S	
	L19	LD 6,8NH+-10% SMD-MULTILAYER	0,3	3A 0603	LD	0009	.6676.00	токо	LL16	608-FHK(J)	
	L18	LD 2,7NH+-0,3NH SMD-MULTILAYER	0,3	3A 0603	LD	0009	.6624.00	TOKO	LL16	608-FH2N7S	
	L17	LD 1,5NH+-0,3NH SMD-MULTILAYER	0,3	3A 0603	LD	0009	. 6599 . 00	ТОКО	LL16	608-FH1N5S	
	L16	LD 2,7NH+-0,3NH SMD-MULTILAYER	0,3	3A 0603	LD	0009	.6624.00	токо	LL16	608-FH2N7S	
	L15	LD 2,7NH+-0,3NH SMD-MULTILAYER		JCTOR			. 6624.00		LL16	608-FH2N7S	
	L14	XX ENTHALTEN IN INCLUDED IN									
	L11	LD 5,6NH+-10% SMD-MULTILAYER	0,0	3A 0603	LD	0009	. 6660 . 00	токо	LL16	608-FHK(J)	
	L10		0,0	BA 0603 JCTOR			. 6676 . 00		LL16	508-FHK(J)	
	L9		0,3	BA 0603 JCTOR			. 6660 . 00			608-FHK(J)	1
	L8	LD 5,6NH+-10% SMD-MULTILAYER	0,3	BA 0603 JCTOR	1		. 6660 . 00			608-FHK(J)	
	L7		0,3	BA 0603 JCTOR			. 6630 . 00		LL16	608-FHK(J)	
	L6	LD 2,7NH+-0,3NH SMD-MULTILAYER	0,3	BA 0603	LD	0009	.6624.00	токо	LL16	608-FH2N7S	
	L5	LD 4,7NH+-10% SMD-MULTILAYER	0,3	3A 0603	LD	0009	. 6653 . 00	токо	LL16	608-FHK(J)	
	L4	LD 2,7NH+-0,3NH SMD-MULTILAYER	0,3	3A 0603	LD	0009	.6624.00	токо	LL16	608-FH2N7S	
	L3	LD 2,7NH+-0,3NH SMD-MULTILAYER	0,3	BA 0603	LD	0009	.6624.00	токо	LL16	608-FH2N7S	
	L2	SMD-MULTILAYER XX ENTHALTEN IN INCLUDED IN	IND								
	L1	LD 2,7NH+-0,3NH	0,3	BA 0603	LD	0009	.6624.00	токо	LL16	608-FH2N7S	
	D31	IC GATE ARRAY BS DG411DY 4X ANALOG SWITCH	ANA	ALOGSCH		0920.	. 1723.00	SILICONIX	DG41	11DY	
١	D30	IC MEMORY BG TH3032.1C SE	RBUS	D ASIC	ВG	0008	6143.00	THESYS	тнзс	032.1C	
	D29	- · · · · · · · · · · · · · · · · · · ·		EEPROM		2013.	.8937.00	ATMEL	AT24	4C164-10SC-2.7	
	D28		4X21	[N.ANDG	BL	0007.	3486.00	PHILIPS_SE	(PC)	74HC08(D/T)	
	D27	BL PC74HC4051T	BCH.	AN.MUX		0007.	3592.00	PHILIPS_SE	(PC)	74HC4051(D/T)	

6GHZ EXTENSION

1084.9600.01 SA 19+

ROHDE&SCHWARZ

6GHZ EXTENSION

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STOCK NO

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٦	Comp. No.	Designat			STOCK NO.	Manufacturer	Designation	Containe	a in
	L95	LD 22NH 10%	0,60A 1210		1002.4897.00	SIEMENS B	82422-A3220-J(K)100		
	L96	RF CHOKE LD 1UH 10% RF CHOKE	0,38A 1210	LD	6006.0130.00	SIEMENS B	82422-A1102-J(K)100		
ı	L97	LD 10NH 10% O, SMD-MULTILAYER		LD	0009.6699.00	TOKO L	L1608-FHK(J)		
	L98	LD 56NH +-10% (SMD-MULTILAYER	0805, 3A	LD	0009.6830.00	TOKO L	L2012-FH56NK(J)		
	L99	LD 3,9NH+-10% SMD-MULTILAYER	0,3A 0603	LD	0009.6647.00	TOKO L	L1608-FHK(J)		
١	L100	XX ENTHALTEN IN INCLUDED IN							
	L101		O,60A 1210		1002.4897.00	SIEMENS B	82422-A3220-J(K)100		
	L 102	LD 22NH 10% RF CHOKE	O,60A 1210		1002.4897.00	SIEMENS B	82422-A3220-J(K)100		
	L103	LD 2,7NH+-0,3NH SMD-MULTILAYER		LD	0009.6624.00	TOKO L	L1608-FH2N7S		
	L104 108	XX ENTHALTEN IN INCLUDED IN			D. 44				
	L109	LD 10NH 10% O, SMD-MULTILAYER		1	0009.6699.00		L1608-FHK(J)		
	L110	LD 1UH 10% RF CHOKE	0,38A 1210		6006.0130.00		82422-A1102-J(K)100		
	L111	RF CHOKE	O,38A 1210		6006.0130.00		82422-A1102-J(K)100		
	L112 116	RF CHOKE	0,60A 1210		1002.4897.00		82422-A3220-J(K)100		
ĺ	L117	SMD-MULTILAYER		LD	0009.6653.00	TOKO LI	L1608-FHK(J)		
1	L118 124	XX ENTHALTEN IN INCLUDED IN							
ı	L125 127	LD 2,2NH+-0,3NH SMD-MULTILAYER	INDUCTOR		0009.6618.00		L1608-FH2N2S		
İ	L128	LD 10NH 10% O, SMD-MULTILAYER	INDUCTOR		0009.6699.00		L1608-FHK(J)		
	L129	LD 10NH 10% O, SMD-MULTILAYER	INDUCTOR	LD	0009.6699.00	TOKO LI	L1608-FHK(J)		
	L130	XX ENTHALTEN IN INCLUDED IN				***			
	L131	LD 10NH 10% O, SMD-MULTILAYER	INDUCTOR	LD (0009.6699.00	TOKO LI	L1608-FHK(J)		
	L132	XX ENTHALTEN IN INCLUDED IN							
	L162	LD 1D1,8NH+-0,3 SMD-MULTILAYER	INDUCTOR		0009.6601.00		L1608-FH1N8S		
	L163	LD 3,3NH+-10% SMD-MULTILAYER		LD (0009.6630.00	TUKO LI	L1608-FHK(J)		
	L164 198	XX ENTHALTEN IN INCLUDED IN			0000 0004 00	TOKO	1000-5000		
	L199 L200	LD 2,7NH+-0,3NH SMD-MULTILAYER XX ENTHALTEN IN	INDUCTOR	LU (0009.6624.00	TUKU LI	L1608-FH2N7S		
	L200	INCLUDED IN LD 5,6NH+-10%			0000 6660 00	TOYO	1600-61 1/ ()		
	L201	SMD-MULTILAYER			0009.6660.00		1608-FHK(J)		
	L202	LD 3,9NH+-10% SMD-MULTILAYER XX ENTHALTEN IN		IFD (0009.6647.00	TUKU LI	_1608-FHK(J)		
	226 L227	INCLUDED IN LD 5.6NH+-10%		, ,	0009.6660.00	יי מערט	1600-50 9/23		
	L227	SMD-MULTILAYER	INDUCTOR	LD (00.0000.600	IUNU LI	_1608-FHK(J)		
	232 L233	XX ENTHALTEN IN INCLUDED IN ID 5 6NH+-10*		n '	0009.6660.00	יי דחצח יי	1600-50 8/13		
	L233	LD 5,6NH+-10% SMD-MULTILAYER XX ENTHALTEN IN	INDUCTOR	LU (00.0000.600	IUNU LI	_1608-FHK(J)		
	259 L260	INCLUDED IN LD 10NH 10% O.		In 4	0009.6699.00	דחגה יי	_1608-FHK(J)		
	L261	SMD-MULTILAYER XX ENTHALTEN IN	INDUCTOR	'	0003.0033.00	TONO LI	_1000 111K(0)		
	264 L265	INCLUDED IN	O.3A 0603	l _{in}	0009.6701.00	דחגה יי	L1608-FHK(J)		
	L266	SMD-MULTILAYER XX ENTHALTEN IN	INDUCTOR		333.5701.00	TORO EL			
	279 L280	INCLUDED IN LD 10NH 10% 0.		וחו	0009.6699.00	TOKO II	L1608-FHK(J)		
		SMD-MULTILAYER		,					
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	Comp. No.	Designatio	n			Stoc	k No.	Manufacturer	Des	gnation	contain	ed in
ı	L281	LD 5,6NH+-10%	0,34		_D	0009	6660.00	TOKO	LL16	08-FHK(J)		
	L282		0,34	4 0603 L	_D	0009	6653.00	токо	LL16	08-FHK(J)		
	284 L285	SMD-MULTILAYER I	NDUC	CTOR								
		INCLUDED IN XX ENTHALTEN IN										
	L286	INCLUDED IN		240000		0000	6601 00	TOVO	1116	08-FH1N8S		
	L287 292	LD 1D1,8NH+-0,3N SMD-MULTILAYER I	NDUC	CTOR			6601.00					
	L293	LD 3,3NH+-10% SMD-MULTILAYER 1	0,3 <i>A</i> NDUO		LD.	0009	6630.00	TOKU	LL16	08-FHK(J)		
	L294 297	XX ENTHALTEN IN INCLUDED IN										
	L298	LD 1D1,8NH+-0,3			LD	0009	.6601.00	токо	LL16	08-FH1N8S		
	L299	RG O-OHM WIDERS	TAND	0603		0009	.9369.00	PHILIPS_CO	RC21	O OHM		
	L300	SMD RESISTOR EIA	0,34	A 0603 I	LD	0009	.6624.00	τοκο	LL16	08-FH2N7S		
	L301	SMD-MULTILAYER 1	3A 08	603 I	LD	0009	.6699.00	токо	LL16	08-FHK(J)		
	L302	SMD-MULTILAYER 1 LD 3,9NH+-10%		CTOR A 0603 I	LD	0009	.6647.00	токо	LL16	08-FHK(J)		
	L303	SMD-MULTILAYER 1			LD	0009	.6624.00	токо	LL 16	08-FH2N7S :		
	L304	SMD-MULTILAYER I) UDN 1	CTOR	LD	0009	.6624.00	TOKO	LL 16	08-FH2N7S		
	L305	SMD-MULTILAYER I	CNDUC	CTOR	LD	0009	.6760.00	токо	LL16	08-FHK(J)		
	L306	SMD-MULTILAYER I	NDUC	CTOR			.6760.00		LL 16	08-FHK(J)		
	L307	SMD-MULTILAYER	NDUC	CTOR			.6630.00			08-FHK(J)		
	L308	SMD-MULTILAYER	(NĎU	CTOR			.6630.00			08-FHK(J)		
	L309	SMD-MULTILAYER I	(NĎUC	CTOR			.6699.00			08-FHK(J)		
		SMD-MULTILAYER	INDUC	CTOR			.6830.00			12-FH56NK(J)		
le vor	L310	LD 56NH +-10% O SMD-MULTILAYER	NDU(CTOR						12-FH56NK(J)		
alis Rechte vor	L311	LD 56NH +-10% O SMD-MULTILAYER			ĽD	0009	.6830.00	1000	i.L.Z.	/12 ThSonk(0)		1
alto	L315 320	XX ENTHALTEN IN INCLUDED IN										
wir uns	L323	XX ENTHALTEN IN INCLUDED IN						•				
} :	L324	XX ENTHALTEN IN INCLUDED IN										i
	L325				LD	0009	.6701.00	TOKO	LL16	08-FHK(J)		
	L326	LD 2,7NH+-0,3NH SMD-MULTILAYER	0,3/	A 0603	LD	0009	.6624.00	токо	LL16	608-FH2N7S		
	L327	LD 10NH 10% 0,3 SMD-MULTILAYER	3A 0	603	LD	0009	.6699.00	токо	LL16	608-FHK(J)		
	L328	LD 3,3NH+-10% SMD-MULTILAYER	0,3	A 0603	LD	0009	.6630.00	токо	LL16	608-FHK(J)		
	L330	LD 3,3NH+-10%	0,3	A 0603	LD	0009	.6630.00	токо	LL16	008-FHK(J)		
	L331	SMD-MULTILAYER LD 3,3NH+-10%	0,3	A 0603	LD	0009	.6630.00	токо	LL16	608-FHK(J)		
	L332	SMD-MULTILAYER LD 56NH +-10% O	AE,	0805	LD	0009	.6830.00	токо	LL20)12-FH56NK(J)		
	L333	SMD-MULTILAYER LD 82NH +-10% O	, ЗА	0805	LD	0009	.6853.00	токо	LL20)12-FH47NK(J)		
	L334	SMD-MULTILAYER LD 10NH 10% 0,	3A 0	603	LD	0009	.6699.00	токо	LL16	608-FHK(J)		
	L335		0,3A	0603	LD	0009	.6701.00	токо	LL16	608-FHK(J)		
	L336	SMD-MULTILAYER LD 8,2NH+-10%	INDU	ICTOR	LD	0009	.6682.00	токо	LL16	608-FHK(J)		
	L337	SMD-MULTILAYER LD 6,8NH+-10%	INDU	ICTOR			.6676.00		LL16	608-FHK(J)		
	L338	SMD-MULTILAYER	INDU	ICTOR				SIEMENS	B824	122-A1103-J(K)100		
	L339	RF CHOKE LD 10NH 10% 0,					.6699.00			608-FHK(J)		
		SMD-MULTILAYER	INDU	ICTOR				SIEMENS		422-A1103-J(K)100		
	L340 343	LD 10UH 10% RF CHOKE	U, 10	IA 1210		JUU1	, 0200.00	Ta in Hill 14	502	// // // // // // // // // // // // /		
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1	L345	LD 18NH 10% O SMD-MULTILAYER	,3A 0603 INDUCTOR		0009.6724.00		LL1608-FHK(J)		
١	L346	LD 220NH 10% RF CHOKE	O,28A 1210	LD	0520.7911.00	SIEMENS	B82422-A3221-J(K)100		
١	L347	LD 10NH 10% O, SMD-MULTILAYER		LD	0009.6699.00	TOKO	LL1608-FHK(J)		
	L348	XX ENTHALTEN IN							
	L349	INCLUDED IN XX ENTHALTEN IN INCLUDED IN							
	L350	LD 39NH +-10% O SMD-MULTILAYER	INDUCTOR	LD	0009.6760.00	токо	LL1608-FHK(J)		
	L351	XX ENTHALTEN IN INCLUDED IN							İ
	L352 L353	LD 3,3NH+-10% SMD-MULTILAYER XX ENTHALTEN IN	INDUCTOR	LU	0009.6630.00	IUKU	LL1608-FHK(J)		
	L354	INCLUDED IN LD 22NH 10%	O,60A 1210		1002.4897.00	SIEMENS	B82422-A3220-J(K)100		
	L355		0,60A 1210		1002.4897.00	SIEMENS	B82422-A3220-J(K)100		
	L356	RF CHOKE LD 10NH 10% 0,		LD	0009.6699.00	токо	LL1608-FĤK(J)		
۱	358 L360	SMD-MULTILAYER LD 3,9NH+-10% SMD-MULTILAYER	0,3A 0603	LD	0009.6647.00	токо	LL1608-FHK(J)		
	L361	LD 3,3NH+-10% SMD-MULTILAYER	O,3A 0603	LD	0009.6630.00	τοκο	LL1608-FHK(J)		
	L362 369	XX ENTHALTEN IN INCLUDED IN	ŀ						
ı	L371 376	XX ENTHALTEN IN INCLUDED IN	l						
ł	L377	LD 3,9NH+-10% SMD-MULTILAYER	0,3A 0603 INDUCTOR	LD	0009.6647.00	токо	LL1608-FHK(J)		
	L378	LD 3,9NH+-10% SMD-MULTILAYER	O,3A 0603	LD	0009.6647.00	токо	LL1608-FHK(J)		
	L379	LD 10NH 10% 0, SMD-MULTILAYER	3A 0603	LD	0009.6699.00	токо	LL1608-FHK(J)		
	L380 382	LD 3,9NH+-10% SMD-MULTILAYER	O,3A 0603	LD	0009.6647.00	токо	LL1608-FHK(J)		
	L383 385	LD 10NH 10% O, SMD-MULTILAYER	3A 0603	LD	0009.6699.00	токо	LL1608-FHK(J)		
	L386	LD 3,9NH+-10% SMD-MULTILAYER	0,3A 0603	LD	0009.6647.00	токо	LL1608-FHK(J)		
	L387	LD 10NH 10% O, SMD-MULTILAYER	3A 0603 INDUCTOR	LD	0009.6699.00	TOKO	LL1608-FHK(J)		
	L388 394	XX ENTHALTEN IN INCLUDED IN							
ı	L397 401	XX ENTHALTEN IN INCLUDED IN							
	L402 404	LD 10NH 10% O, SMD-MULTILAYER	3A 0603 INDUCTOR	LD	0009.6699.00	ΤΟΚΟ	LL1608-FHK(J)		
I	L405 411	XX ENTHALTEN IN INCLUDED IN	l						İ
١	L412	LD 1UH 10% RF CHOKE	0,38A 1210		6006.0130.00		B82422-A1102-J(K)100		
	L413	LD 10NH 10% O, SMD-MULTILAYER	INDUCTOR		0009.6699.00		LL1608-FHK(J)		
	L414 416	RF CHOKE	0,38A 1210	LD	6006.0130.00	SIEMENS	B82422-A1102-J(K)100		
	L417	XX ENTHALTEN IN INCLUDED IN	i						
	L418	RF CHOKE	O,38A 1210		6006.0130.00		B82422-A1102-J(K)100		
	L419	LD 10NH 10% O, SMD-MULTILAYER	INDUCTOR		0009.6699.00		LL1608-FHK(J)		
	1 400	LD 10NH 10% 0,		LD	0009.6699.00	TUKO	LL1608-FHK(J)		
	L420	SMD-MULTILAYER		3				1	I
	L421	XX ENTHALTEN IN INCLUDED IN	Į		1002 . 4897 . 00	SIEMENS	B82422-A3220-J(K)100		
	L421 L422 426	XX ENTHALTEN IN INCLUDED IN LD 22NH 10% RF CHOKE	0,60A 1210	LD	1002.4897.00		B82422-A3220-J(K)100 LL1608-FHK(J)	4	
	L421 L422	XX ENTHALTEN IN INCLUDED IN LD 22NH 10% RF CHOKE LD 5,6NH+-10% SMD-MULTILAYER LD 10NH 10% 0,	0,60A 1210 0,3A 0603 INDUCTOR 3A 0603		1002.4897.00	токо	B82422-A3220-J(K)100 LL1608-FHK(J) LL1608-FHK(J)		
	L421 L422 426 L427	XX ENTHALTEN IN INCLUDED IN LD 22NH 10% RF CHOKE LD 5,6NH+-10% SMD-MULTILAYER	0,60A 1210 0,3A 0603 INDUCTOR 3A 0603		0009.6660.00	токо	LL1608-FHK(J)		a Andrewski (m. 1997)
	L421 L422 426 L427	XX ENTHALTEN IN INCLUDED IN LD 22NH 10% RF CHOKE LD 5,6NH+-10% SMD-MULTILAYER LD 10NH 10% 0,	0,60A 1210 0,3A 0603 INDUCTOR 3A 0603		0009.6660.00	TOKO TOKO	LL1608-FHK(J)		Blatt-Nr. Page

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ROHDE&SCHWARZ

Stock No.

Manufacturer

Designation

CONFORMA III

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1	Comp. No.	Designation		STOUR NO.	(Mandiacidio)		
	L580	LD 3,9NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD	0009.6647.00	TOKO	LL1608-FHK(J)	
	L581 L582	XX ENTHALTEN IN INCLUDED IN XX ENTHALTEN IN					
		INCLUDED IN		0000 6647 00	TOKO	LL1608-FHK(J)	
	L583 603 L604	LD 3,9NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR XX ENTHALTEN IN	ĘΝ	0009.6647.00	TORU	LL 1008 (11K(0)	
	L605	INCLUDED IN LD 3,9NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD	0009.6647.00	токо	LL1608-FHK(J)	
	L607	LD 3,9NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD	0009.6647.00	токо	LL1608-FHK(J)	
	L608	LD 4,7NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD	0009.6653.00	TOKO	LL1608-FHK(J)	
	L609 616	LD 3,9NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD	0009.6647.00	TOKO	LL1608-FHK(J)	
j	L618 620	LD 3,9NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD	0009.6647.00	TOKO	LL1608-FHK(J)	
	L621 L622	LD 3,9NH+-10% O,3A 0603 SMD-MULTILAYER INDUCTOR XX ENTHALTEN IN	LD	0009.6647.00	TOKO	LL1608-FHK(J)	
	L624	INCLUDED IN LD 3.9NH+-10% 0.3A 0603	LD	0009.6647.00	токо	LL1608-FHK(J)	
	L625	SMD-MULTILAYER INDUCTOR LD 3,9NH+-10% 0,3A 0603	LD	0009.6647.00	токо	LL1608-FHK(J)	
	L626	SMD-MULTILAYER INDUCTOR XX ENTHALTEN IN					
	628 L629	INCLUDED IN LD 3,9NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD	0009.6647.00	токо	LL1608-FHK(J)	
	L630	LD 10NH 10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD	0009.6699.00	токо	LL1608-FHK(J)	
	L631	LD 56NH +-10% 0,3A 0805 SMD-MULTILAYER INDUCTOR	LD	0009.6830.00	токо	LL2012-FH56NK(J)	
_	L632	LD 5,6NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD	0009.6660.00	токо	LL1608-FHK(J)	
für diese Unterlage behalten wir uns alle Rechte vor.	L633	LD 1UH 10% 0,38A 1210 RF CHOKE	LD	6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
age be echte	L634	LD 3,3NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD	0009.6630.00	токо	LL1608-FHK(J)	
Unteri alle R	L635 640	XX ENTHALTEN IN INCLUDED IN					
diese r uns	L642 648	XX ENTHALTEN IN INCLUDED IN					
Für e	L650	XX ENTHALTEN IN INCLUDED IN					
	N1	BO OP275GS LN 2XFET OPAMP		2043.0928.00	ANALOG_DEV	0P275GS	
	N2	LOW NOISE FET AUDIO OPAMP BO TLO74ACD 4XFET OPAMP OPERATIONAL AMPLIFIER		0007.7823.00	TEXAS	TLO74A(CD)	
	из	BM SCA-4 DC-3G MMIC MMIC AMPLIFIER		1085.2251.00	STANFORD	SCA-4	
	N4	BM SCA-4 DC-3G MMIC MMIC AMPLIFIER		1085.2251.00	STANFORD	SCA-4	
	N5	BO REFO1CS 10V 20MA VREF VOLTAGE REFERENCE		1002.5129.00	PMI	REFO1C(S)	
	N6	BM SFD1001 VERDOPPLER FREQUENCY DOUBLER IC		1039.1804.00	WATKINS-JO	SFD1001	
	N7	BO TLO74ACD 4XFET OPAMP OPERATIONAL AMPLIFIER		0007.7823.00		TLO74A(CD)	
	N8	BO TLO74ACD 4XFET OPAMP OPERATIONAL AMPLIFIER		0007.7823.00		TLO74A(CD)	
	N9	BM MGA82563 O.1-6G MMIC MICROWAVE MONOLITHIC AMPL				MGA-82563-TR1	
	N10	BO AD823AR 2XFET OPAMP JFET INPUT HIGH-SPEED AMP	ВО	1090.4288.00			
	N11	BO TLO74ACD 4XFET OPAMP OPERATIONAL AMPLIFIER		0007.7823.00		TLO74A(CD)	
	№12	BO AD823AR 2XFET OPAMP JFET INPUT HIGH-SPEED AMP	BO	1090.4288.00	1		
	N13	BO TLO74ACD 4XFET OPAMP OPERATIONAL AMPLIFIER		0007.7823.00		TLO74A(CD)	
	N14	BM MGA82563 O.1-6G MMIC MICROWAVE MONOLITHIC AMPL		1085.2100.0	D HEWLETT_PA	MGA-82563-TR1	
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	Comp. No.	Designation		Stock No.	Manufacturer	Designation	contain	au in
	N15	BM SNA486 0.1-8G	MMIC	1085.1961.00	STANFORD_M	SNA-486		
	N17	MICROWAVE MONOLITI BM SNA486 0,1-8G	MMIC	1085.1961.00	STANFORD_M	SNA-486		
	N18	MICROWAVE MONOLITI BM MGA82563 0.1-60	MMIC	1085.2100.00	HEWLETT_PA	MGA-82563-TR1		
i	25 N26	MICROWAVE MONOLITH BO AD829JR HISPEED	IIC AMPL OPAMP E	30 1036.4254.00	ANALOG_DEV	AD829JR		ļ
	N27	LOW-NOISE HIGH-SPE	ED AMP	80 0854.1754.00	ANALOG_DEV	(AD)744KR		
	N28	500NS SETTL. BIFET	OPAMP	80 1090.4288.00				
	N29	JEET INPUT HIGH-SP	FED AMP	BO 0854.1754.00				Ī
	N30	500NS SETTL. BIFET	OPAMP	BO 1090.4288.00			-	
	N3 1	JEET INPUT HIGH-SP	PEED AMP	BO 1090.4288.00				
	N32	JEET INPUT HIGH-SP BO OP275GS LN 2XFE	T OPAMP	2043.0928.00	ANALOG_DEV	OP275GS	***************************************	
	N35	LOW NOISE FET AUDI BM MGA82563 O.1-60	O OPAMP	1085.2100.00	HEWLETT_PA	MGA-82563-TR1		
	N36	MICROWAVE MONOLITH BM MGA82563 0.1-60	IC AMPL			MGA-82563-TR1		
	N37	MICROWAVE MONOLITH BM MGA82563 0.1-60	HIC AMPL			MGA-82563-TR1		
	N38	MICROWAVE MONOLITH BM SNA486 0,1-8G	HIC AMPL MMIC		STANFORD_M			
		MICROWAVE MONOLITI BM SNA486 0,1-8G	C AMPL		STANFORD_M			
	N39	MICROWAVE MONOLIT	C AMPL	BO 1090.4288.00				
	N40	BO AD823AR 2XFE JFET INPUT HIGH-SF		000.4200.00				
	P1	VL EINPRESSSTIFT S	5,6	VL 0010.7250.00	AMP	1-928776-5		
	Р3	VL EINPRESSSTIFT S	5,6	VL 0010.7250.00	AMP	1-928776-5		1
	Р6	VL EINPRESSSTIFT S	5,6	VL 0010.7250.00	AMP	1-928776-5		
wir uns alle Rechte vor	P7	VL EINPRESSSTIFT	5,6	VL 0010.7250.00	AMP	1-928776-5		
Rech	P8	PIN VL EINPRESSSTIFT !	5,6	VL 0010.7250.00	AMP	1-928776-5		
is alle	P10	PIN VL EINPRESSSTIFT ! PIN	5,6	VL 0010.7250.00	AMP	1-928776-5		
wìr ur	P11	VL EINPRESSSTIFT !	5,6	VL 0010.7250.00	AMP	1-928776-5		
,	P12	VL EINPRESSSTIFT !	5,6	VL 0010.7250.00	AMP	1-928776-5		
1	P22	VL EINPRESSSTIFT !	5,6	VL 0010.7250.00	AMP	1-928776-5		
	P27	VL EINPRESSSTIFT !	5,6	VL 0010.7250.00	AMP	1-928776-5		
	P29	VL EINPRESSSTIFT	5,6	VL 0010.7250.00	AMP	1-928776-5		
	R1	RG 182 OHM+-1%TK SMD RESISTOR EIAO		0009.9130.0	DRALORIC	CR 0603		İ
	R2	RG 432R +-1%TK100	0603	0009.9098.0	DRALORIC	CR 0603		
	R3	SMD RESISTOR EIAO RG 432R +-1%TK100 SMD RESISTOR EIAO	0603	0009.9098.0	DRALORIC	CR 0603		1
	R4	RG 470R +-1% TK10 SMD RESISTOR EIAO	0 0603	0009.6976.0	DRALORIC	CR 0603		
	R5	RG 3R92 +-1% TK25 SMD RESISTOR EIAO	0 0603	0048.4170.0	PHILIPS_CO	RC 22 H		
	R6	RG 49R9 1% 1W SMD RESISTOR	1218	0048.5083.0	PHILIPS_CO	PRC201-49R9 1% TK100		
	R7	RG 10K +-1% TK100		RG 0009.5357.0	PHILIPS_CO	RC 22 H		
	R8	SMD RESISTOR EIAO RG 100R +-1% TK10 SMD RESISTOR EIAO	0 0603	RG 0009.5334.0	O PHILIPS_CO	RC 22 H		
	R9	RG 20,00HM+-0,1%T		1110.3068.0	O PHILIPS_CO	MPC 01		
	R10	CHIP RESISTOR RG 10K +-1% TK100 SMD RESISTOR EIAO		RG 0009.5357.0	O PHILIPS_CO	RC 22 H		
	R11	RG 182 OHM+-1%TK	100 0603	0009.9130.0	ODRALORIC	CR 0603		
		SIND RESISTOR ETAU						
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	Comp. No.	Designati	on			ಎರಂ	K NO.	MINUTACIDIN	υe:	1811611011		
ı	R12	RG 68R +-1% TK1 SMD RESISTOR EI		0603		0009.	6930.00	DRALORIC	CR C	0603		
	R13	RG 1R +-1% TK25	0	0603		0048.	4187.00	DRALORIC	CR C)603		
	R14	SMD RESISTOR EI RG 10,00HM+-0,1				0009.	9546.00	PHILIPS_CO	MPC	01		
		CHIP RESISTOR						PHILIPS_CO				
	R15	RG 10K +-1% TK1 SMD RESISTOR EI		oa l								
	R16	RG 10K +-1% TK1 SMD RESISTOR EI			RG	0009.	.5357.00	PHILIPS_CO	RC 2	22 H		
	R17	RG 1KO +-1% TK1	00	0603	RG	0009.	5340.00	PHILIPS_CO	RC 2	22 H		
	R18	SMD RESISTOR EI	AU60	1218		1104.	2734.00	PHILIPS_CO	PRC2	201-20R 1% TK100		
	R19	SMD RESISTOR RG 100R +-1% TK	100	0603	RG	0009	5334 00	PHILIPS_CO	RC 2	22 H	•	
		SMD RESISTOR EI	A06	03				_				
	R20	RG 100R +-1% TK SMD RESISTOR EI			RG	0009.	.5334.00	PHILIPS_CO	RC 2	22 H		
ı	R21	RG 182 OHM+-1% SMD RESISTOR EI	TK 10	00 0603		0009	9130.00	DRALORIC	CR C	0603		
	R22	RG 1R +-1% TK25	0	0603		0048	4187.00	DRALORIC	CR C	0603		j
	R23	SMD RESISTOR EI		0603		0010.	.9300.00	DRALORIC	CR C	0603		
	R24	SMD RESISTOR EI				0009	6976 00	DRALORIC	CR C	n603 [:]		
		SMD RESISTOR EI	A06	03								İ
	R25	RG 470R +-1% TK SMD RESISTOR EI	_			0009.	.6976.00	DRALORIC	CR (
	R26	RK SMD-HEISSL.1 SMD-NTC-RESISTO		1206		.8000	9236.00	SIEMENS	B57€	621-C104-J		
ŀ	R27	RK SMD-HEISSL.1	OOK	1206		8000	9236.00	SIEMENS	B576	S21-C104-J		
	R28	SMD-NTC-RESISTORG 392R+-1% TK1		0603		0010	9300.00	DRALORIC	CR C	0603		Ī
	R29	SMD RESISTOR EI		03 0603		0010.	9300.00	DRALORIC	CR C	0603		
		SMD RESISTOR EI	A06	03								
£	R30	RK SMD-HEISSL.1 SMD-NTC-RESISTO	R	1206			.9236.00			521-C104-J		
ohaii vor.	R31	RK SMD-HEISSL.1 SMD-NTC-RESISTC		1206		0008	.9236.00	SIEMENS	B576	521-C104-J		
diese Unterlage behaften ir uns alle Rechte vor.	R32	RG O-OHM WIDERS				0009	.9369.00	PHILIPS_CO	RC2	1 O OHM		
Ite R		NICHT BESTUECKT	/NO	T FITTED			0000 00					
se Cu	R33	RG O-OHM WIDERS SMD RESISTOR EI				0009	.9369.00	PHILIPS_CO	RC2	I O UHM		
	R34	RG 22OR +-1% TK SMD RESISTOR EI				0009	.6953.00	DRALORIC	CR (0603		
ē *	R35	RG 220R +-1% TK	100	0603		0009	.6953.00	DRALORIC	CR C	0603		
I	R36	SMD RESISTOR EI		0603	RG	0009	.5370.00	DRALORIC	CR (0603		
ı	R37	SMD RESISTOR EI		03 0603	RG	0009	.5370.00	DRALORIC	CR (0603		
ł	R38	SMD RESISTOR EI						PHILIPS_CO	MDC	01		ļ
		CHIP RESISTOR										
	R39	RG 24,3 OHM+-1% SMD RESISTOR EI						DRALORIC	CR (0603		ļ
	R40	RG 56R +-1% TK1 SMD RESISTOR EI		0603 03		0009	.9646.00	DRALORIC	CR (0603		Ì
	R41	RG 15,00HM+-0,1				1080	.7590.00	PHILIPS_CO	MPC	01		
	R42	CHIP RESISTOR RG 1K5 +-1% TK1		0603		0009	. 6999 . 00	DRALORIC	CR C	0603		l
	R43	SMD RESISTOR EI		03 0603	RG	0009	.5340.00	PHILIPS_CO	RC 2	22 H		
l		SMD RESISTOR EI	A06	03	-			PHILIPS_CO				l
	R44	CHIP RESISTOR						_				
	R45	RG 1K5 +-1% TK1 SMD RESISTOR EI						DRALORIC	CR (
ı	R46	RG 392K+-1% TK1		0603		1097	.6528.00	DRALORIC	CR (0603		
l	50 R51	RESISTOR RG 470K +-1% TK				0009	.7120.00	PHILIPS_CO	RC 2	22 H		
	R52	SMD RESISTOR ED RG O-OHM WIDERS				0009	.9369.00	PHILIPS_CO	RC2	1 O OHM		
	R53	SMD RESISTOR ED	30A		RG			PHILIPS_CO				İ
	KJO	SMD RESISTOR E				0000	.50-0.00	1111211 3_00		LL 11		ı
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♦	E&SCHWAR		22.09.99	EE 6-GHZ-ERWEITERUNG	1084.9600.01 SA	27+
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٦	Comp. No.	Designatio	n			Stack No.	Manufacturer		gnation		CONTRIN	
	R54	RG 27,4 OHM+-1%				0009.9046.00	PHILIPS_CO	RC 22	2 H			
	R55	RG 1KO +-1% TK10	00	0603	RG	0009.5340.00	PHILIPS_CO	RC 2	2 H			
١	R56	SMD RESISTOR EIA		0603	RG	0009.5340.00	PHILIPS_CO	RC 2	2 H			
		SMD RESISTOR EIA	4060	1218		1104.2734.00	PHILIPS CO	PRC2	01-20R	1% TK100		
Į	R57	SMD RESISTOR		ĺ	n.c	0009.5334.00						
	R58	RG 100R +-1% TK SMD RESISTOR EI	A060	3								
	R59	RG 24,3 OHM+-1% SMD RESISTOR EI				0009.8991.00		CR O	603			
	R60	RG 24,3 OHM+-1% SMD RESISTOR EL	TK 10	0 0603		0009.8991.00	DRALORIC	CR O	603			
	R61	RG O-DHM WIDERS	TANE	0603		0009.9369.00	PHILIPS_CO	RC21	O OHM			
	R62	SMD RESISTOR EL RG O-OHM WIDERS				0009.9369.00	PHILIPS_CO	RC21	O OHM			
	R63	SMD RESISTOR EI RG 5R62 +-1% TK		0603		0009.9100.00	DRALORIC	CR O	603			
	R64	SMD RESISTOR EI.		0603	RG	0009.5328.00	PHILIPS_CO	RC 2	2 H			
		SMD RESISTOR EI	A060	1		0009.5357.00						
	R65	SMD RESISTOR EI	A060	o3						:		
	R66	RG 10K +-1% TK1 SMD RESISTOR EI				0009.5357.00						
	R67	RG 1KO +-1% TK1 SMD RESISTOR EI		0603 03	RG	0009.5340.00						
	R68	RG 24,3 OHM+-1% SMD RESISTOR EI	TK 10	00 0603		0009.8991.00	DRALORIC	CR O	603			
	R69	RG 24,3 OHM+-1%	TK 10	00 0603		0009.8991.00	DRALORIC	CR O	603			
	R70	SMD RESISTOR EI RG 200R +-1% TK	100	0603		1097.6386.00	DRALORIC	CR O	603			
	R71	SMD RESISTOR EI RG 1KO +-1% TK1		0603	RG	0009.5340.00	PHILIPS_CO	RC 2	2 H			
	R72	SMD RESISTOR EI RG 10,00HM+-0,1				0009.9546.00	PHILIPS_CO	MPC	01			
٠	R73	CHIP RESISTOR RG 24,3 OHM+-1%				0009.8991.00	DRALORIC	CR O	603			
te vor.		SMD RESISTOR EI RG 39K2 +-1% TK	A060	03		0010.9823.00						
Rechte	R74	SMD RESISTOR EI	A06	33				CR O				Ì
alle	R75	RG 24,3 OHM+-1% SMD RESISTOR EI	A06	03		0009.8991.00						
รแกม	R76	RG 100R +-1% TK SMD RESISTOR EI			RG	0009.5334.00						
۸	R77	RG O-OHM WIDERS SMD RESISTOR EI				0009.9369.00	PHILIPS_CO	RC21	O OHM			
	R78	RG 10,00HM+-0,1 CHIP RESISTOR				0009.9546.00	PHILIPS_CO	MPC	01			
	R79	RG 100R +-1% TK			RG	0009.5334.00	PHILIPS_CO	RC 2	22 H			
	R80	SMD RESISTOR EI RG 10K +-1% TK1	00	0603	RG	0009.5357.00	PHILIPS_CO	RC 2	22 H			
	R81	SMD RESISTOR EI RG 100R +-1% TK	A06 100	03 0603	RG	0009.5334.00	PHILIPS_CO	RC 2	22 H			
	R82	SMD RESISTOR EI	A06		RG	0009.5357.00	PHILIPS CO	RC 2	22 H			
		SMD RESISTOR EI	A06	03		1097.6386.00		CR C				
	R83	RG 200R +-1% TK SMD RESISTOR EI	A06	03								
	R84	RG 100R +-1% TK SMD RESISTOR EI	A06	03	KG	0009.5334.00						
	R85	RG 3,01KOH+-0,1 RESISTOR	%TK	25 1206		0010.2058.00						
	R86	RG 100R +-1% TK SMD RESISTOR EX			RG	0009.5334.00						
	R87	RG 39R 1% 1W	.,,,,,,	1218		1104.2786.00	PHILIPS_CO	PRC2	201-39R	1% TK100		
	R88	SMD-RESISTOR RG 3,01KOH+-0,1	1%TK	25 1206		0010.2058.00	PHILIPS_CC	MPC	01			
	R89	RESISTOR RG 100R +-1% Th			RG	0009.5334.00	PHILIPS_CO	RC :	22 H			
	R90	SMD RESISTOR ET		0603	1	0009.7014.00	DRALORIC	CR (0603			
	R91	SMD RESISTOR E:	I A O 6		RG	0009.5334.00	PHILIPS CO	RC :	22 H			
	1	SMD RESISTOR E	IA06	603		0007.5108.00			1206			
	R92	RG O-OHM WIDERS	3-0F	IM	Tree.	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		٠,٠				
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ł	4007	977 2DLU	,	Datum	-		lliste für		Sachnummer	<u> </u>	Blatt-Nr.
	146	SMD RESISTOR EI	AUG	Uð							
	R143	SMD RESISTOR EI	(100	0603		0010.9581.00	PHILIPS_CO	RC 22	Н		
	R142	RG 1MO +-1% TK1	00	0603	RG	0009.5370.00	DRALORIC	CR 06	03		
	R141	RG 82K5 +-1% TK	100	0603		0010.9123.00	DRALORIC	CR 06	03		
	R140	RG 121K +-1% TK	100	0603		1097.6340.00	PHILIPS_CC	RC 22	Н		
İ	R136 139	RG 270R +-1% TK SMD RESISTOR EI	100	0603		0010.9581.00	PHILIPS_CC	RC 22	Н		
	R135	RG 82K5 +-1% TK SMD RESISTOR EI	100	0603		0010.9123.00	DRALORIC	CR 06	03		
	R134	RG 100K +-1% TK SMD RESISTOR EI	100	0603	RG	0009.5363.00	DRALORIC	CR 06	03		
	R133	RG 200K +-1% TK SMD RESISTOR EI		0603 03		1093.6200.00	PHILIPS_CO	RC 22	Н		
	R132	RG 10,00HM+-0,1 CHIP RESISTOR				0009.9546.00	_				
	R131	RG 100R +-1% TK SMD RESISTOR EI	_	0603 03	RG	0009.5334.00	PHILIPS_CO	RC 22	Н		
	R128 130	RG 10,00HM+-0,1 CHIP RESISTOR				0009.9546.00					
	R127	RG 10R +-1% TK1 SMD RESISTOR EI	00	0603	RG	0009.5328.00					
١	R126	RG 100R +-1% TK SMD RESISTOR EI	100	0603		0009.5334.00					
	R125	RG 330R +-1% TK SMD RESISTOR EI	_			0009.6960.00		CR 060			
	R124	RG 20,00HM+-0,1	%TK2			1110.3068.00					
	R123	RG 10M 1% TK100 SMD RESISTOR		0603		0048.5090.00		CR 060			
	R122	RG 100R +-1% TK SMD RESISTOR EI	100	0603 03	RG	0009.5334.00					
	R119	RG 1R +-1% TK250 SMD RESISTOR EL	A060			0048.4187.00	1	CR 060			
	R118	RG 10M 1% TK100 SMD RESISTOR		0603		0048.5090.00		CR 060			
	R117	RG 6K8 +-1% TK10 SMD RESISTOR EI		0603 03		0009.7037.00		CR 060			
	R116	RG 10K +-1% TK10 SMD RESISTOR EI	A060		RG	0009.5357.00					
	R115	RG 10M 1% TK100 SMD RESISTOR		0603		0048.5090.00		CR 060			
	R114	RG 100R 1% 1W SMD RESISTOR		1218					1-100R 1% TK100		
	R113	RG 20R 1% 1W SMD RESISTOR		1218					1-20R 1% TK100		İ
	R112	RG 20R 1% 1W SMD RESISTOR		1218					1-20R 1% TK100		
	R111	RG 10K +-1% TK10 SMD RESISTOR EI			RG	0009.5357.00					
ı	R110	RG 10K +-1% TK10 SMD RESISTOR EI	A060)3		0009.5357.00					
	R109	RG 56K2 +-1% TK SMD RESISTOR EI	406C	0603		0010.9117.00		CR 060			
	R105 108	RG 100R +-1% TK SMD RESISTOR EIA	406C	3	RG	0009.5334.00					
	R102 104	RG 220K +-1% TK SMD RESISTOR EIA	406C	0603 3		0009.7108.00		CR 060			
	R101	RG 10M 1% TK100 SMD RESISTOR		0603		0048.5090.00		CR 060			
	R100	RG 220K +-1% TK	4060			0009.7108.00		CR 060			
	R99	RG O-OHM WIDERST	4060	3		0009.9369.00					
l	R98	RG 39R 1% 1W SMD-RESISTOR		1218					1-39R 1% TK100		
	R97	RG 20R 1% 1W SMD RESISTOR		1218					-20R 1% TK100		
١	R96	RG 2K2 +-1% TK10 SMD RESISTOR EIA		0603 3		0009.7008.00					
	R95	RG 10K +-1% TK10 SMD RESISTOR EIA		3	RG	0009.5357.00					
	R94	RG 432R +-1%TK10 SMD RESISTOR EIA		0603 3		0009.9098.00					
	R93	RG 100R +-1% TK1 SMD RESISTOR EIA		3	RG	0009.5334.00					
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6GHZ EXTENSION

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ROHDE&SCHWARZ

Stock No.

Manufacturer

Designation

CONTAINED IN

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			Ι	Detur		r-	haitteill	icte file		Sachnummer		Blatt-Nr.
	N241	SMD RESISTOR E				5000.500	50					
	R246	SMD RESISTOR ED	EAOE		RC.			PHILIPS_CO				
	245 R246	SMD RESISTOR ET	100	603				DRALORIC		0603		
	R239 R240	SMD RESISTOR EI	I A O E		BC.			PHILIPS_CO				
	R239	SMD RESISTOR EI	1A06					DRALORIC	CR (I
	R238	SMD RESISTOR EI	BOA	603		0010.9100			CR (
1	236 R237	SMD RESISTOR EI	AOE	603		0010.9100		-	CR (
	R233	SMD RESISTOR EI		0603	RG			PHILIPS_CO				
	231 R232	SMD RESISTOR EI RG 680R +-1% TK	(100	0603		0009.698	2.00	PHILIPS_CO	RC 2	22 H		1
	R228	SMD RESITOR RG 10K +-1% TK1		0603	RG	0009.5353	7.00	PHILIPS_CO	RC 2	22 H		
	R227	SMD RESISTOR EI	. AU6	03 2512		3528.0973	3.00	VITROHM	RGC	509-0 13R 5%		
	R226	SMD RESISTOR EI	100	0603	RG	0009.5357	7.00	PHILIPS_CO	RC 2	22 H		
	R225	SMD RESISTOR EI	(100	0603		0010.8404	4.00	PHILIPS_CO	RC 2	22 H		
	R224	RG 10K +-1% TK1	00	0603	RG	0009.5357	7.00	PHILIPS_CO	RC 2	22 H		
	R223	RG 10K +-1% TK1 SMD RESISTOR EI		0603	RG	0009.5357	7.00	PHILIPS_CO	RC 2	22 H		
	R222	RG 39R 1% 1W SMD-RESISTOR		1218		1104.2786	6.00	PHILIPS_CO	PRC2	201-39R 1% TK100		
rur Xi	R221	RG 20K +-1% TK SMD RESISTOR EI	100	0603		0010.9100	0.00	DRALORIC	CR C	0603		
diese ir uns	R220	RG 10K +-1% TK1 SMD RESISTOR EI	00	0603	RG	0009.5357	7.00	PHILIPS_CO	RC 2	22 H		
alle	R219	RG 56K2 +-1% TK SMD RESISTOR EI				0010.9117	1		CR C			
Recht	R218	RG 100K +-1% TK SMD RESISTOR EI	A06	03	RG	0009.5363	ļ		CR C			
r diese Unterlage behälten wir uns alle Rechte vor.	R217	RG 10,00HM+-0,1 CHIP RESISTOR			_			PHILIPS_CO				
	R216	RG 100K +-1% TK SMD RESISTOR EI	A06	03	RG	0009.5363	1		CR (i		
	R215	RG 56K2 +-1% TK SMD RESISTOR EI	A06	03	_	0010.9117			CR C			[
	R214	RG 10K +-1% TK1 SMD RESISTOR EI	A06	03	RG			PHILIPS_CO				
	R213	RG 3K92 +-1% TK SMD RESISTOR EI	A06	03				PHILIPS_CO		1		
	R210 212	RG 10K +-1% TK1 SMD RESISTOR EI	A06	03	RG			PHILIPS_CO				ĺ
	R209	RG 5K11 +-1% TK SMD RESISTOR EI	A06	03				PHILIPS_CO				
	R208	RG 20K +-1% TK SMD RESISTOR EI	A06	03		0010.9100	- !		CR C			
	R207	RG 10K +-1% TK1 SMD RESISTOR EI	A06		KG			PHILIPS_CO				
	R204 206	RG 100K +-1% TK SMD RESISTOR EI	A06	03		0009.5363			CR C			
	R203	RG 2KO +-1% TK1 SMD RESISTOR EI	A06			1097.6328			CR C			
	R202	RG 1K5 +-1% TK1 SMD RESISTOR EI	A06			0009.6999	-		CR C			
	R201	RG 20K +-1% TK SMD RESISTOR EI	A06	03		0010.9100						
	R200	RG 220R +-1% TK SMD RESISTOR EI	A06	03					CR C			
	R199	SMD RESISTOR EI	A06	03		0009.6953			CR C			
	R198	RG 1K5 +-1% TK1 SMD RESISTOR EI RG 2OK +-1% TK	A06	03		0010.9100			CR C			İ
	R197	RG 20K +-1% TK SMD RESISTOR EI	A06			0009.6999			CR C			
	R196	RG 1K5 +-1% TK1 SMD RESISTOR EI	A06	03		0010.9100	1		CR C			
	R195	RG 100K +-1% TK SMD RESISTOR EI	A06	1	Νū	0009.6999			CR C			
		SMD RESISTOR EI	A06	03		0009.5363		_	CR C			
ŀ	R194	RG 1KO +-1% TK1		0603	RG	0009 5340	00	PHILIPS_CO		2 H		

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ROHDE&	SCHV	VARZ	14	22.09.99	EE 6-GHZ-ERWEITERUNG 6GHZ EXTENSION	1084.9600.01 SA	31+

Stock No

contained in

ROHDE&SCHWARZ

SMD RESISTOR EIA0603 RG 0009.5357.00 PHILIPS_CO RC 22 H 0603 R313 RG 10K +-1% TK100 SMD RESISTOR EIAO603 0010.9298.00 DRALORIC CR 0603 0603 R314 RG 3KO1+-1% TK100 SMD RESISTOR EIAO603 RG 3KO1+-1% TK100 CR 0603 0010.9298.00 DRALORIC 0603 R315 SMD RESISTOR EIAO603 RG 0009.5357.00 PHILIPS_CO RC 22 H RG 10K +-1% TK100 0603 R316 SMD RESISTOR EIAO603 RG 0009.5340.00 PHILIPS_CO RC 22 H RG 1KO +-1% TK100 0603 R317 SMD RESISTOR EIAO603 RG 0009.5340.00 PHILIPS_CO RC 22 H RG 1KO +-1% TK100 0603 R318 SMD RESISTOR EIA0603 0603 RG 0009.5357.00 PHILIPS_CO RC 22 H R319 RG 10K +-1% TK100 SMD RESISTOR EIAO603 RG 24,3 OHM+-1%TK100 0603 0009.8991.00 DRALORIC CR 0603 R320 SMD RESISTOR EIAO603 RG 1KO +-1% TK100 RG 0009.5340.00 PHILIPS_CO RC 22 H 0603 R321 SMD RESISTOR EIAO603 RG 10K +-1% TK100 0603 RG 0009.5357.00 PHILIPS_CO RC 22 H R322 SMD RESISTOR EIAO603 RG 0009.5357.00 PHILIPS_CO RC 22 H R323 RG 10K +-1% TK100 0603 SMD RESISTOR EIAO603 0603 RG 0009.5340.00 PHILIPS_CO RC 22 H R324 RG 1KO +-1% TK100 SMD RESISTOR EIAO603 1104.2786.00 PHILIPS_CO PRC201-39R 1% TK100 R325 RG 39R 1% 1218 SMD-RESISTOR 0010.9117.00 DRALORIC CR 0603 RG 56K2 +-1% TK100 R326 0603 SMD RESISTOR EIAO603 0009.9369.00 PHILIPS_CO RC21 0 OHM RG O-OHM WIDERSTAND 0603 R327 SMD RESISTOR EIAO603 RG 56K2 +-1% TK100 0603 0010.9117.00 DRALORIC CR 0603 R328 SMD RESISTOR EIAO603 R329 RG 330R +-1% TK100 0603 0009.6960.00 DRALORIC CR 0603 SMD RESISTOR EIAO603 0009.9369.00 PHILIPS_CO RC21 0 OHM R330 RG O-DHM WIDERSTAND 0603 SMD RESISTOR EIAO603 ir diese Unterlage behalten wir uns alte Rechte vor. R331 0603 0009.9369.00 PHILIPS_CO RC21 0 OHM RG O-OHM WIDERSTAND SMD RESISTOR EIAO603 RG 33R +-1% TK100 0009.6918.00 DRALORIC CR 0603 R332 0603 SMD RESISTOR EIAO603 R333 0603 1093.6169.00 PHILIPS_CO RC 22 H RG 619R +-1% TK100 SMD RESISTOR EIAO603 RG 619R +-1% TK100 1093.6169.00 PHILIPS_CO RC 22 H R334 0603 SMD RESISTOR EIAO603 R335 RG 432R +-1%TK100 0603 0009.9098.00 DRALORIC CR 0603 SMD RESISTOR EIAO603 0009.9098.00 DRALDRIC CR 0603 R336 RG 432R +-1%TK100 0603 SMD RESISTOR EIAO603 RG 130R +-1% TK100 1078.3110.00 DRALORIC CR 0603 R337 0603 SMD RESISTOR EIAO603 R338 RG 130R +-1% TK100 0603 1078.3110.00 DRALORIC CR 0603 SMD RESISTOR EIAO603 RG 560R +-1% TK100 0603 0009.9630.00 DRALORIC CR 0603 R339 SMD RESISTOR EIAO603 R340 RG 560R +-1% TK100 0603 0009.9630.00 DRALORIC CR 0603 SMD RESISTOR EIAO603 R341 RG 301R +-1%TK100 0603 0009.9123.00 PHILIPS_CO RC 22 H SMD RESISTOR EIAO603 0009.9123.00 PHILIPS_CO RC 22 H R342 RG 301R +-1%TK100 0603 SMD RESISTOR EIAO603 0009.9123.00 PHILIPS_CO RC 22 H RG 301R +-1%TK100 0603 R343 SMD RESISTOR EIAO603 RG 51,0 OHM+-1%TK100 0603 0009.9030.00 DRALORIC CR 0603 R344 SMD RESISTOR EIAO603 0009.9369.00 PHILIPS_CO RC21 0 OHM R345 RG O-OHM WIDERSTAND 0603 SMD RESISTOR EIAO603 RG 0009.5357.00 PHILIPS_CO RC 22 H RG 10K +-1% TK100 0603 R346 SMD RESISTOR EIAO603 0010.9281.00 PHILIPS_CO RC 22 H R347 RG 30K1+-1% TK100 0603 SMD RESISTOR EIA0603 RG O-OHM WIDERSTAND 0603 0009.9369.00 PHILIPS_CO RC21 0 OHM R348 SMD RESISTOR EIAO603 RG O-OHM WIDERSTAND 0603 0009.9369.00 PHILIPS_CO RC21 0 OHM R349 SMD RESISTOR EIAO603 0009.6960.00 DRALORIC R350 RG 330R +-1% TK100 0603 SMD RESISTOR EIAO603 tt-Nr.

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RG 0009.5357.00 PHILIPS_CO RC 22 H

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comp. No.

R312

Designation

0603

RG 10K +-1% TK100

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ROHDE&SCHWARZ		14	22.09.99	EE 6-GHZ-ERWEITERUNG	1084.9600.01 SA	33+	
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Designation

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Comp. No.	Designation	on n		Stock No.	Manufacturer	Dasigna	tion	contair	ed in
R444	RG 3K92 +-1% TK		0603	0010.8427.00	PHILIPS_CO	RC 22 F	1		ł
R445	SMD RESISTOR EI RG 220R +-1% TK		0603	0009.6953.00	DRALORIC	CR 0603	3		l
11773	SMD RESISTOR EI	A06	03						
R448	RG 392R+-1% TK1 SMD RESISTOR EI		0603	0010.9300.00	DRALURIC	CR 0603)		
R449	RG 392R+-1% TK1	00	0603	0010.9300.00	DRALORIC	CR 0603	3		
R450	SMD RESISTOR EI RG 3K92 +-1% TK			0010.8427.00	PHILIPS_CO	RC 22 H	1		1
	SMD RESISTOR EI	A06	03				İ		
R457 ⁻ 459	RG 47K +-1% TK1 SMD RESISTOR EI	_	0603 03	0009.7072.00	PHILIPS_CO	RC 22 F	1		-
R460	RG 15K +-1% TK1	00	0603	0009.7043.00	DRALORIC	CR 0603	3		l
R461	SMD RESISTOR EI RG 47K +-1% TK1		0603	0009.7072.00	PHILIPS_CO	RC 22	4		
464 R466	SMD RESISTOR EI RG 15K +-1% TK1		03 0603	0009.7043.00	DRALORIC	CR 0600	3		1
	SMD RESISTOR EI	A06	03						
R468	RG 47K +-1% TK1 SMD RESISTOR EI		0603 03	0009.7072.00	PHILLIPS_CO	KÇ 22 F	1		
R472	RG 15K +-1% TK1	00	0603	0009.7043.00	DRALORIC	CR 0603	3		I
R473	SMD RESISTOR EI		0603	0009.7072.00	PHILIPS_CO	RC 22 I	4		l
476	SMD RESISTOR EI			0009.7043.00	DRAL ORTC	CR 0603			
R478	RG 15K +-1% TK1 SMD RESISTOR EI		0603 03						
R479	RG 15K +-1% TK1 SMD RESISTOR EI		0603 03	0009.7043.00	DRALORIC	CR 0603	3		Ì
R481	RG 47K +-1% TK1	00	0603	0009.7072.00	PHILIPS_CO	RC 22 1	4		
R486	SMD RESISTOR EI RG 15K +-1% TK1		03 0603	0009.7043.00	DRALORIC	CR 060	3		
	SMD RESISTOR EI	A06	03			pr 22 I	ı		
R487	RG 30,1 OHM+-1% SMD RESISTOR EI	A06	03	0009.9081.00					
R488	RG 30,1 OHM+-1% SMD RESISTOR EI			0009.9081.00	PHILIPS_CO	RC 22 I	4		
R489	RG 82,5 OHM+-1%	TK 1	00 0603	0009.9052.00	DRALORIC	CR 060	3		
R495	SMD RESISTOR EI	A06	03 ∞1218	1104.2786.00	PHILIPS_60	PRC201	-39R 1% TK100		
	SMD-RESISTOR RG 150 OHM+-1%T	'V 10	0 1206	RG 0007.5589.00					
R499	RESISTOR CHIP	K IQ					_		
R514	RG 3R32 +-1% TK SMD RESISTOR EI			0010.8362.00	DRALORIC'	CR 060	3		
R517	RG 47R +-1% TK1	00	0603	0009.6924.00	PHILIPS_CO	RC 22 I	1		
R519	SMD RESISTOR EI			0009.6947.00	PHILIPS_CO	RC 22	4		1
523 R529	SMD RESISTOR EI			0009.9498.00	DRALORIC	CR 060	3		
	SMD RESISTOR EI	A06	03				,		
R530 537	RG 47R +-1% TK1			0009.6924.00					
R538	RG 150R +-1% TK SMD RESISTOR EI			0009.6947.00	PHILIPS_CO	RC 22 I	- 1		İ
R543	RG 270R +-1% TK	100	0603	0010.9581.00	PHILIPS_CO	RC 22 I	4		ļ
R544	SMD RESISTOR EI			0009.6947.00	PHILIPS_CO	RC 22 I	4		ĺ
548	SMD RESISTOR EI	A06	03	0010.9581.00					
R549 551	RG 270R +-1% TK SMD RESISTOR EI	A06	03		_				İ
R555 559	RG 10R +-1% TK1		0603 03	RG 0009.5328.00	PHILIPS_CO	RC 22	H		
R570	RG 10K +-1% TK1	00	0603	RG 0009.5357.00	PHILIPS_CO	RC 22	H		ļ
R571	SMD RESISTOR EI		0603	0009.7072.00	PHILIPS_CO	RC 22	н		
R572	SMD RESISTOR EI	A06		0009.7108.00	DRALORIC	CR 060	3		ļ
575	SMD RESISTOR EI	A06	603	V / / /					
R585	RG 10R +-1% TK1		0603 603	RG 0009.5328.00					
R586	RG 1KO +-1% TK	100	0603	RG 0009.5340.00	PHILIPS_CO	RC 22	Н		
R587	RG 47K +-1% TK	100	0603	0009.7072.00	PHILIPS_CO	RC 22	Н		
R588	SMD RESISTOR EI		603 0603	0009.7072.00	PHILIPS CO	RC 22	Н		
	SMD RESISTOR E	I A O E	603						
R594	RG O-OHM WIDERS	1A I 6	ID 0603 i03	0009.9369.00	NLUTTIL2 CO	, RCZ I U	Uniii		
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	Comp. No.	Designation			Stock No.	Manufacturer	Des	ignation	CONTAIN	<u>สน เก</u>
	R604	RG 1MO +-1% TK100 SMD RESISTOR EIAO603	0603	RG	0009.5370.00		CR O			
	R605	RG 1MO +-1% TK100	0603	RG	0009.5370.00	DRALORIC	CR O	0603		
	R608	SMD RESISTOR EIAO603 RS 0,25W10K0HM +-20%	SMD	RS	0007.9649.00	BI_TECHNOL	23 B	R TR		
	R609		0603		0009.9481.00	DRALORIC	CR O	603		
	R610		0603		0009.9481.00	DRALORIC	CR O	603		
	R615		0603	RG	0009.5357.00	PHILIPS_CO	RC 2	2 H		
Ì	R616		0603	RG	0009.5357.00	PHILIPS_CO	RC 2	2 H		
ļ	R617	l	0603		0009.9369.00				and the state of t	
	R619		0603	RG	0009.5357.00					
	R621		0603		0009.9630.00		CR O			
	R624	SMD RESISTOR EIAO603 RG 51,0 OHM+-1%TK100	0603		0009.9030.00		CR O	603		
	R625		0603		0009.9369.00		RC21	O OHM		
	R626		0603		0009.7043.00	DRALORIC	CR O	603		
	R628		0603		1097.6334.00		RC 2	2 H		
	631 R633		0603		0009.7008.00	PHILIPS_CO	RC 2	2 H		
Ì	R634		0603		0009.7008.00	PHILIPS_CO	RC 2	2 H		
	R635	SMD RESISTOR EIAO603 RG 12,0K0H+-0,1%TK25	1206		0009.7620.00	PHILIPS_CO I	MPC	01		
	R636		0603		0009.7050.00	DRALORIC (CR O	603		
Ì	R637		0603		0009.7050.00	DRALORIC (CR O	603		
	R638		0603	RG	0009.5357.00	PHILIPS_CO F	RC 2	2 H		
	R639		0603		0009.7050.00	DRALORIC (CR O	603		
	R644	SMD RESISTOR EIAO603 RG 22K +-1% TK100 SMD RESISTOR EIAO603	0603		0009.7050.00	DRALORIC (CR O	603		
	R648		0603		0009.7050.00	DRALORIC (CR O	603		
	R649		0603		0009.7050.00	DRALORIC (CR O	603		
	R655		0603	RG	0009.5340.00	PHILIPS_CO F	RC 2:	2 H		
	R659	RG 1KO +-1% TK100 SMD RESISTOR EIA0603		RG	0009.5340.00	PHILIPS_CO F	RC 2:	2 H		
	R660	RG 330R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6960.00		CR O	603		
Ì	R661	RG 330R +-1% TK100 SMD RESISTOR EIAO603	0603	-	0009.6960.00		CR O			
	R662 664	RG 1KO +-1% TK100 SMD RESISTOR EIAO603			0009.5340.00					
	R672	RG 1KO +-1% TK100 SMD RESISTOR EIAO603	1		0009.5340.00					
	R675	RG 1KO +-1% TK100 SMD RESISTOR EIAO603			0009.5340.00					
	R676	RG 1K82 +-1% TK100 SMD RESISTOR EIAO603	0603		0010.8404.00					
	R681	SMD RESISTOR EIAO603	0603		0009.7008.00					
	R689 692	SMD RESISTOR EIAO603	-	1	0009.5340.00					
I	R699	SMD RESISTOR EIAO603		RG	0009.5357.00					
	R712	SMD RESISTOR EIAO603	0603		1097.6334.00					
	R722	SMD RESISTOR EIAO603		RG	0009.5340.00			and the same of th		
	R725	SMD RESISTOR EIAO603	0603		1097.6334.00					
	R727	RG 5K11 +-1% TK100 SMD RESISTOR EIA0603	0603		1097.6334.00	 - 	KC Z	2 H		
	1GPK		Datum Date		Schalttelli Parts lis			Sachnummer Stock No.	F	Blatt-Nr. Page

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Schaltteilliste für Parts list for Sachnummer Stock No. Blatt-Nr. Page 1GPK 877 3PLU ROHDE&SCHWARZ 1084.9600.01 SA 14 22.09.99 EE 6-GHZ-ERWEITERUNG 37+ 6GHZ EXTENSION

Manufacturer

Stock No.

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R872 R873 R874 877 R880 R881 R883 R885 R886 888 R891 893 R894 R895 R896 R897 R899 901	SMD RESISTOR EIRG 20K +-1% TK 18 SMD RESISTOR EIRG 13K +-1% TK 18 SMD RESISTOR EIRG 10,0K0H+-0,1% SMD-RESISTOR RG 10,0K0H+-0,1% SMD-RESISTOR RG 10,0K0H+-0,1% SMD-RESISTOR RG 100R +-1% TK SMD RESISTOR EIRG 35,7 OHM+-1% SMD RESISTOR EIRG 24,3 OHM+-1% SMD RESISTOR EIRG 24,3 OHM+-1% TK SMD RESISTOR EIRG 22R +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R3 OHM+-1%	100 A0603 00 A0603 %TK25 %TK25 %TK25 100 A0603 TK100 A0603 100 A0603 A0603 A0603 A0603 A0603 A0603 A0603	1206 1206 0603 0603 0603 0603 0603 0603	RG	0010.9 1097.6 0009.7 0009.7 0009.5 0009.8 0010.9 0009.6 0009.9	6428.00 6666.00 6666.00 6666.00 6000.00 6991.00 6901.00 6901.00 6400.00 6400.00	DRALORIC PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO DRALORIC DRALORIC DRALORIC DRALORIC DRALORIC DRALORIC DRALORIC DRALORIC DRALORIC	RC MPC MPC RC: CR CR CR CR CR CR CR CR CR CR CR CR CR	01 01 01 22 H			
R873 R874877 R880 R881 R883 R885 R886888 R891893 R894 R895 R896 R897	SMD RESISTOR EIRG 20K +-1% TK SMD RESISTOR EIRG 13K +-1% TK 18 SMD RESISTOR EIRG 10,0K0H+-0,1% SMD-RESISTOR RG 10,0K0H+-0,1% SMD-RESISTOR RG 10,0K0H+-0,1% SMD-RESISTOR RG 10,0K0H+-0,1% SMD-RESISTOR RG 100R +-1% TK SMD RESISTOR EIRG 35,7 0HM+-1% SMD RESISTOR EIRG 24,3 0HM+-1% SMD RESISTOR EIRG 24,3 0HM+-1% SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 121 0HM+-1% TSMD RESISTOR EIRG 121 0HM+-1% SMD RESISTOR EIRG 39R2 +-1% TK SMD	100 A0603 00 A0603 %TK25 %TK25 %TK25 100 A0603 TK100 A0603 TK100 A0603 A0603 A0603 A0603 A0603 A0603	0603 1206 1206 1206 0603 0603 0603 0603 0603	RG	0010.9 1097.6 0009.7 0009.7 0009.5 0009.8 0010.9 0009.6 0009.9	6428.00 6666.00 6666.00 6666.00 6000.00 6991.00 6901.00 6901.00 6498.00	DRALORIC PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO DRALORIC DRALORIC DRALORIC DRALORIC DRALORIC DRALORIC DRALORIC DRALORIC	MPC MPC RC: CR CR CR CR CR CR CR CR CR CR CR CR CR	22 H 01 01 01 22 H 22 H 0603 0603 0603 0603			
R873 R874 877 R880 R881 R883 R885 R886 888 R891 893 R894 R895	SMD RESISTOR EIRG 20K +-1% TK SMD RESISTOR EIRG 13K +-1% TK 18 SMD RESISTOR EIRG 13K +-1% TK 18 SMD RESISTOR EIRG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-1% TK SMD-RESISTOR RG 10,0K0H+-1% TK SMD-RESISTOR RG 10,0K0H+-1% TK SMD-RESISTOR RG 10,0K0H+-1% TK SMD-RESISTOR RG 10,0K0H+-1% TK SMD-RESISTOR RG 35,7 0HM+-1% SMD-RESISTOR RG 24,3 0HM+-1% SMD-RESISTOR RG 39R2 +-1% TK SMD-RESISTOR RG 22R +-1% TK SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 121 0HM+-1% SMD-RESISTOR RG 10,0K0H+-0,19 RG 10,0K0H+	100 A0603 00 A0603 %TK25 %TK25 %TK25 100 A0603 TK100 A0603 100 A0603 00 A0603 K100 A0603	0603 1206 1206 1206 0603 0603 0603 0603	RG	0010.9 1097.6 0009.7 0009.7 0009.5 0009.8 0010.9 0009.6	6428.00 6666.00 6666.00 6334.00 6000.00 6991.00 6901.00	DRALORIC PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO DRALORIC DRALORIC DRALORIC DRALORIC	MPC MPC RC : CR CR CR CR CR	22 H 01 01 01 22 H 22 H 0603 0603 0603			
R873 R874 877 R880 R881 R883 R885 R886 888 R891 893 R894	SMD RESISTOR EIRG 20K +-1% TK SMD RESISTOR EIRG 13K +-1% TK 16 SMD RESISTOR EIRG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-1% TK SMD RESISTOR EIRG 35,7 0HM+-1% SMD RESISTOR EIRG 24,3 0HM+-1% SMD RESISTOR EIRG 24,3 0HM+-1% SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 22R +-1% TK SMD RESISTOR EIRG 22R +-1% TK SMD RESISTOR EIRG 22R +-1% TK SMD RESISTOR EIRG 22R +-1% TK	100 A0603 00 A0603 %TK25 %TK25 100 A0603 TK100 A0603 TK100 A0603 O0 A0603	0603 1206 1206 1206 0603 0603 0603 0603	RG	0010.9 1097.6 0009.7 0009.7 0009.5 0009.8 0010.9	6428.00 6666.00 6666.00 6666.00 6000.00 6991.00 6901.00	DRALORIC PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO DRALORIC DRALORIC DRALORIC	RC MPC MPC RC RC CR	22 H 01 01 01 22 H 22 H 0603 0603			
R873 R874 877 R880 R881 R883 R885 R886 888 R891 893 R894	SMD RESISTOR EIRG 20K +-1% TK SMD RESISTOR EIRG 13K +-1% TK 18 SMD RESISTOR EIRG 10,0KOH+-0,19 SMD-RESISTOR RG 10,0KOH+-0,19 SMD-RESISTOR RG 10,0KOH+-0,19 SMD-RESISTOR RG 10,0KOH+-0,19 SMD-RESISTOR RG 100R +-1% TK SMD RESISTOR EIRG 35,7 OHM+-1% SMD RESISTOR EIRG 35,7 OHM+-1% SMD RESISTOR EIRG 34,3 OHM+-1% SMD RESISTOR EIRG 39R2 +-1% TK SMD RESISTOR EIRG 39R2 +-1% TK	100 A0603 00 A0603 %TK25 %TK25 100 A0603 TK100 A0603 TK100 A0603 100 A0603	0603 1206 1206 1206 0603 0603 0603	RG	0010.9 1097.6 0009.7 0009.7 0009.5 0009.9 0009.8	6428.00 6666.00 6666.00 6666.00 6000.00 9991.00	DRALORIC PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO DRALORIC DRALORIC	MPC MPC MPC RC: RC: CR	22 H 01 01 01 22 H 22 H 0603 0603			
R873 R874 877 R880 R881 R883 R885 R886 888 R891	SMD RESISTOR EIRG 20K +-1% TK SMD RESISTOR EIRG 13K +-1% TK18 SMD RESISTOR EIRG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 100R +-1% TK SMD RESISTOR EIRG 35,7 0HM+-1% SMD RESISTOR EIRG 24,3 0HM+-1% SMD RESISTOR EIRG 24,3 0HM+-1%	100 A0603 00 A0603 %TK25 %TK25 100 A0603 TK100 A0603 TK100 A0603	0603 1206 1206 1206 0603 0603	RG	0010.9 1097.6 0009.7 0009.7 0009.5 0009.9	6428.00 666.00 666.00 666.00 6334.00 6000.00	DRALORIC PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO DRALORIC	MPC MPC MPC RC: RC:	22 H 01 01 01 22 H 22 H			
R873 R874 877 R880 R881 R883 R885 R886 888	SMD RESISTOR EIRG 20K +-1% TK SMD RESISTOR EIRG 13K +-1% TK 16 SMD RESISTOR EIRG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 100R +-1% TK SMD RESISTOR EIRG 35,7 0HM+-1% SMD RESISTOR EIRG	100 A0603 00 A0603 %TK25 %TK25 100 A0603 TK100 A0603	0603 1206 1206 1206 0603 0603	RG	0010.9 1097.6 0009.7 0009.7 0009.7 0009.5	6428.00 666.00 666.00 666.00 6334.00	DRALORIC PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO	RC MPC MPC MPC RC	22 H 01 01 01 01 22 H 22 H			
R873 R874 877 R880 R881 R883	SMD RESISTOR EIRG 20K +-1% TK SMD RESISTOR EIRG 13K +-1% TK19 SMD RESISTOR EIRG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR RG 100R +-1% TK SMD RESISTOR EIR	100 A0603 00 A0603 %TK25 %TK25 %TK25	0603 1206 1206 1206 0603	RG	0010.9 1097.6 0009.7 0009.7 0009.5	6428.00 666.00 666.00 666.00	DRALORIC PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO	RC MPC MPC MPC RC	22 H 01 01 01 01 22 H			
R873 R874 877 R880 R881 R883	SMD RESISTOR EIRG 20K +-1% TK SMD RESISTOR EIRG 13K +-1% TK1 SMD RESISTOR EIRG 10,0K0H+-0,1% SMD-RESISTOR RG 10,0K0H+-0,1% SMD-RESISTOR RG 10,0K0H+-0,1% SMD-RESISTOR	100 A0603 00 A0603 %TK25 %TK25	0603 1206 1206 1206	RG	0010.9 1097.6 0009.7 0009.7	6428.00 666.00 666.00 666.00	DRALORIC PHILIPS_CO PHILIPS_CO PHILIPS_CO PHILIPS_CO	RC MPC MPC MPC	22 H 01 01 01			
R873 R874 877 R880 R881	SMD RESISTOR EIRG 20K +-1% TK SMD RESISTOR EIRG 13K +-1% TK10 SMD RESISTOR EIRG 10,0K0H+-0,19 SMD-RESISTOR RG 10,0K0H+-0,19 SMD-RESISTOR	100 A0603 00 A0603 %TK25	0603 1206 1206		0010.9 1097.6 0009.7	3428.00 7666.00 7666.00	DRALORIC PHILIPS_CO PHILIPS_CO PHILIPS_CO	RC MPC MPC	22 H 01 01			
R873 R874 877 R880	SMD RESISTOR EIRG 20K +-1% TK SMD RESISTOR EIRG 13K +-1% TK 10 SMD RESISTOR EIRG 10,0K0H+-0,19 SMD-RESISTOR	100 A0603 00 A0603 %TK25	0603 1206		0010.9 1097.6 0009.7	3428.00 7666.00	DRALORIC PHILIPS_CO PHILIPS_CO	RC MPC	22 H 01			
R873 R874 877	SMD RESISTOR EIRG 20K +-1% TK SMD RESISTOR EIRG 13K +-1% TK 10 SMD RESISTOR EIR	100 A0603 00 A0603	0603		0010.9	428.00	DRALORIC PHILIPS_CO	RC	22 H			
R873	SMD RESISTOR EIR RG 20K +-1% TK SMD RESISTOR EIR	100 A0603			0010.9		DRALORIC					
	SMD RESISTOR EL		0603			1100.00		CR I	0603			
R872)						
	SMD RESISTOR ELA	A0603	0603				DRALORIC		0603			
869 R870	SMD RESISTOR EIR RG 20K +-1% TK	A0603	0603				DRALORIC		0603			
R867		A0603	0603	RG			DRALORIC		0603			
R866	SMD RESISTOR EI RG 20K +-1% TK	A0603 100	0603									
R862	RG 33K +-1% TK1	00	0603									
R861	SMD RESISTOR EL	A0603	V									
R858	SMD RESISTOR EL	A0603	0603									
R857	SMD RESISTOR EL	A0603	0603									
R856	SMD RESISTOR EL	A0603	0603									
R855	SMD RESISTOR EI	A0603	0603									
R854	SMD RESISTOR EL	A0603	0603							:		
	POTENTIOMETER		0603									
	SMD RESISTOR EI	A0603		RS								
	SMD RESISTOR EL	A0603										
	SMD RESISTOR EL	A0603		-								
R841	SMD RESISTOR EL	A0603	0603	RG								
	SMD RESISTOR EL	A0603	0603									
V	SMD RESISTOR EL	A0603										
			0603					RC	22 H			
			0603									
			0603					RC	22 H			
ł			0603							•		
R826			0603		0010.9	275.00	PHILIPS_CO	RÇ	22 H			
	R827 R828 R830 R833 R835 R836 R841 R842 R845 R848 R853 R856 R857 R856 R857 R858 R861 R862 R866	R826 RG 12R1+-1%TK10 SMD RESISTOR EI R827 RG 22R +-1% TK1 SMD RESISTOR EI R828 RG 12R1+-1%TK10 SMD RESISTOR EI R830 RG 82K5 +-1% TK SMD RESISTOR EI R833 RG 4K7 +-1% TK SMD RESISTOR EI R836 RG 4K7 +-1% TK SMD RESISTOR EI R841 RG 4K7 +-1% TK SMD RESISTOR EI R841 RG 1K0 +-1% TK1 SMD RESISTOR EI R842 RG 4K7 +-1% TK SMD RESISTOR EI R843 RG 3K3 +-1% TK1 SMD RESISTOR EI R844 RG 3K3 +-1% TK1 SMD RESISTOR EI R845 RG 3K3 +-1% TK1 SMD RESISTOR EI R846 RG 392R+-1% TK1 SMD RESISTOR EI R857 RG 392R+-1% TK1 SMD RESISTOR EI R856 RG 20K +-1% TK SMD RESISTOR EI R857 RG 20K +-1% TK SMD RESISTOR EI R858 RG 20K +-1% TK SMD RESISTOR EI R859 RG 20K +-1% TK SMD RESISTOR EI R850 RG 20K +-1% TK SMD RESISTOR EI R851 RG 20K +-1% TK SMD RESISTOR EI R852 RG 20K +-1% TK SMD RESISTOR EI R853 RG 20K +-1% TK SMD RESISTOR EI R854 RG 20K +-1% TK SMD RESISTOR EI R855 RG 20K +-1% TK SMD RESISTOR EI R856 RG 20K +-1% TK SMD RESISTOR EI R861 RG 24,3 OHM+-1% SMD RESISTOR EI R862 RG 20K +-1% TK SMD RESISTOR EI R863 RG 20K +-1% TK SMD RESISTOR EI R864 RG 20K +-1% TK SMD RESISTOR EI R865 RG 20K +-1% TK SMD RESISTOR EI R866 RG 20K +-1% TK SMD RESISTOR EI	R827 RG 22R +-1% TK100 SMD RESISTOR EIAO603 RG 22R +-1% TK100 SMD RESISTOR EIAO603 RG 12R1+-1%TK100 SMD RESISTOR EIAO603 RB30 RG 82K5 +-1% TK100 SMD RESISTOR EIAO603 RB33 RG 4K7 +-1% TK100 SMD RESISTOR EIAO603 RB35 RG 4K7 +-1% TK100 SMD RESISTOR EIAO603 RB36 RG 4K7 +-1% TK100 SMD RESISTOR EIAO603 RB41 RG 1K0 +-1% TK100 SMD RESISTOR EIAO603 RB42 RG 4K7 +-1% TK100 SMD RESISTOR EIAO603 RB48 RG 3K3 +-1% TK100 SMD RESISTOR EIAO603 RB48 RS 0,25W50K0HM +-20% POTENTIOMETER RB53 RG 392R+-1% TK100 SMD RESISTOR EIAO603 RB54 RG 392R+-1% TK100 SMD RESISTOR EIAO603 RB55 RG 20K +-1% TK100 SMD RESISTOR EIAO603 RB56 RG 20K +-1% TK100 SMD RESISTOR EIAO603 RB57 RG 20K +-1% TK100 SMD RESISTOR EIAO603 RB58 RG 20K +-1% TK100 SMD RESISTOR EIAO603 RB58 RG 20K +-1% TK100 SMD RESISTOR EIAO603 RB58 RG 20K +-1% TK100 SMD RESISTOR EIAO603 RB58 RG 20K +-1% TK100 SMD RESISTOR EIAO603 RB58 RG 20K +-1% TK100 SMD RESISTOR EIAO603 RB58 RG 20K +-1% TK100 SMD RESISTOR EIAO603 RB58 RG 20K +-1% TK100 SMD RESISTOR EIAO603 RB61 RG 24,3 DHM+-1%TK100 SMD RESISTOR EIAO603 RB62 RG 33K +-1% TK100 SMD RESISTOR EIAO603 RG 20K +-1% TK100 SMD RESISTOR EIAO603 RG 20K +-1% TK100 SMD RESISTOR EIAO603 RG 20K +-1% TK100	R827 RG 22R +-1% TK100 0603 SMD RESISTOR EIA0603 R828 RG 12R1+-1%TK100 0603 SMD RESISTOR EIA0603 R830 RG 82K5 +-1% TK100 0603 SMD RESISTOR EIA0603 R833 RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603 R835 RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603 R836 RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603 R841 RG 1K0 +-1% TK100 0603 SMD RESISTOR EIA0603 R842 RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603 R842 RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603 R848 RG 3K3 +-1% TK100 0603 SMD RESISTOR EIA0603 R848 RG 3K3 +-1% TK100 0603 SMD RESISTOR EIA0603 R848 RG 392R+-1% TK100 0603 SMD RESISTOR EIA0603 R853 RG 392R+-1% TK100 0603 SMD RESISTOR EIA0603 R854 RG 392R+-1% TK100 0603 SMD RESISTOR EIA0603 R855 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R856 RG 2K0 +-1% TK100 0603 SMD RESISTOR EIA0603 R857 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R859 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R859 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R859 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R859 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R859 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R860 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R861 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R862 RG 33K +-1% TK100 0603 SMD RESISTOR EIA0603 R863 RG 20K +-1% TK100 0603	R827 RG 22R +-1% TK100 0603 SMD RESISTOR EIA0603 R828 RG 12R1+-1%TK100 0603 SMD RESISTOR EIA0603 R830 RG 82K5 +-1% TK100 0603 SMD RESISTOR EIA0603 R833 RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603 R835 RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603 R836 RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603 R841 RG 1K0 +-1% TK100 0603 SMD RESISTOR EIA0603 R842 RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603 R848 RG 3K3 +-1% TK100 0603 SMD RESISTOR EIA0603 R848 RS 0,25W50K0HM +-20% SMD POTENTIOMETER R853 RG 392R+-1% TK100 0603 SMD RESISTOR EIA0603 R854 RG 18K2+-1% TK100 0603 SMD RESISTOR EIA0603 R855 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R856 RG 2K0 +-1% TK100 0603 SMD RESISTOR EIA0603 R857 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R857 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R857 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R859 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R860 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R861 RG 24,3 0HM+-1%TK100 0603 SMD RESISTOR EIA0603 R862 RG 33K +-1% TK100 0603 SMD RESISTOR EIA0603 R863 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R864 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R867 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R868 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R861 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R862 RG 33K +-1% TK100 0603 SMD RESISTOR EIA0603	R827 RG 22R +-1% TK100 0603 0009.6 R828 RG 12R1+-1%TK100 0603 0010.9 R830 RG 82K5 +-1% TK100 0603 0010.9 R830 RG 82K5 +-1% TK100 0603 0010.9 SMD RESISTOR EIA0603 R833 RG 4K7 +-1% TK100 0603 0009.7 SMD RESISTOR EIA0603 R835 RG 4K7 +-1% TK100 0603 0009.7 SMD RESISTOR EIA0603 R836 RG 4K7 +-1% TK100 0603 0009.7 SMD RESISTOR EIA0603 R841 RG 1K0 +-1% TK100 0603 0009.7 SMD RESISTOR EIA0603 R842 RG 4K7 +-1% TK100 0603 0009.7 SMD RESISTOR EIA0603 R844 RG 1K0 +-1% TK100 0603 0009.7 SMD RESISTOR EIA0603 R845 RG 3K3 +-1% TK100 0603 0009.7 SMD RESISTOR EIA0603 R848 RS 0,25%50K0HM +-20% SMD RS 0007.9 POTENTIOMETER R853 RG 392R+-1% TK100 0603 0010.9 SMD RESISTOR EIA0603 R854 RG 18K2+-1% TK100 0603 0010.9 SMD RESISTOR EIA0603 R855 RG 20K +-1% TK100 0603 0010.9 SMD RESISTOR EIA0603 R856 RG 20K +-1% TK100 0603 0010.9 SMD RESISTOR EIA0603 R857 RG 20K +-1% TK100 0603 0010.9 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 0010.9 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 0010.9 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 0010.9 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 0010.9 SMD RESISTOR EIA0603 R861 RG 20K +-1% TK100 0603 0010.9 SMD RESISTOR EIA0603 R862 RG 33K +-1% TK100 0603 0009.7 SMD RESISTOR EIA0603 R864 RG 20K +-1% TK100 0603 0009.7 SMD RESISTOR EIA0603 R866 RG 20K +-1% TK100 0603 0009.7 SMD RESISTOR EIA0603 R861 RG 20K +-1% TK100 0603 0009.7 SMD RESISTOR EIA0603 R862 RG 33K +-1% TK100 0603 0009.7 SMD RESISTOR EIA0603 R866 RG 20K +-1% TK100 0603 0009.7	R827 RG 22R +-1% TK100 0603 0009.6901.00 SMD RESISTOR EIA0603 R6 12R1+-1%TK100 0603 0010.9275.00 SMD RESISTOR EIA0603 R830 RG 82K5 +-1% TK100 0603 0010.9123.00 SMD RESISTOR EIA0603 R833 RG 4K7 +-1% TK100 0603 0009.7020.00 SMD RESISTOR EIA0603 R835 RG 4K7 +-1% TK100 0603 0009.7020.00 SMD RESISTOR EIA0603 R836 RG 4K7 +-1% TK100 0603 0009.7020.00 SMD RESISTOR EIA0603 R841 RG 1K0 +-1% TK100 0603 SMD RESISTOR EIA0603 R842 RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603 R845 RG 3K3 +-1% TK100 0603 SMD RESISTOR EIA0603 R845 RG 3K3 +-1% TK100 0603 SMD RESISTOR EIA0603 R848 RG 3K3 +-1% TK100 0603 SMD RESISTOR EIA0603 R853 RG 392R+-1% TK100 0603 SMD RESISTOR EIA0603 R854 RG 38K2+-1% TK100 0603 SMD RESISTOR EIA0603 R855 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R856 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R857 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R858 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R859 RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603 R859 RG 20K +-1% TK100 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EIAO603 RG 34K5 +-1% TK100 O603 SMD RESISTOR EIAO603 RG 4K7 +-1% TK100 O603 SMD RESISTOR EIAO603 RG 4K7 +-1% TK100 O603 SMD RESISTOR EIAO603 RG 4K7 +-1% TK100 O603 SMD RESISTOR EIAO603 RG 4K7 +-1% TK100 O603 SMD RESISTOR EIAO603 RG 4K7 +-1% TK100 O603 SMD RESISTOR EIAO603 RG 1K0 +-1% TK100 O603 SMD RESISTOR EIAO603 RG 1K0 +-1% TK100 O603 SMD RESISTOR EIAO603 RG 3K3 +-1% TK100 O603 SMD RESISTOR EIAO603 RG 3K3 +-1% TK100 O603 SMD RESISTOR EIAO603 RG 3C 3CD +-1% TK100 O603 SMD RESISTOR EIAO603 RG 20K +-1%	R827 R6 22R + 1% TK100	R827 RG 22R +-1% TK100 0603

6GHZ EXTENSION

1084.9600.01 SA

39+

ROHDE&SCHWARZ

	Comp. No.	Designation				Stock No.	Manufacturer	Dasig	gnation	Contenie	
F	R9 19	RG 24,3 OHM+-1%TK			OC	009.8991.00	DRALORIC	CR O	503		
	921 R924	SMD RESISTOR EIAC RG 24,3 OHM+-1%TK	60	0 0603	00	009.8991.00	DRALORIC	CR 06	303		İ
	R925	SMD RESISTOR EIAC RG 24,3 OHM+-1%TK	60	3	00	009.8991.00	DRALORIC	CR O	503		
	R928	SMD RESISTOR ELAC RK SMD-HEISSL.100		1206	00	008.9236.00	SIEMENS	B5762	21-C104-J		l
	R929	SMD-NTC-RESISTOR RK SMD-HEISSL.100	ЭK	1206	00	008.9236.00	SIEMENS	B5763	21-C104-J	.	
	931 R934	SMD-NTC-RESISTOR RG 24,3 OHM+-1%TM	(10	0 0603	00	009.8991.00	DRALORIC	CR O	603		
	R935	SMD RESISTOR EIAC RG 24,3 OHM+-1%TM	060	3	00	009.8991.00	DRALORIC	CR O	603		
	R938	SMD RESISTOR EIAC	060			008.9236.00		B576	21-C104-J		
	R939	SMD-NTC-RESISTOR RG 33K +-1% TK100		0603	Of	009.7066.00	PHILIPS_CO	RC 2	2 H		
	R940	SMD RESISTOR EIAC	060	0603	0	009.7066.00	PHILIPS_CO	RC 2	2 H		
Ì	R946	SMD RESISTOR EIAG	06C	0603	0	009.7072.00	PHILIPS_CO	RC 2:	2 H		
	R954	SMD RESISTOR EIAC	060				PHILIPS_CO				
	R955	SMD RESISTOR EIAG	36 C				PHILIPS_CO		ž.		
ļ		SMD RESISTOR ELAC	260	3			PHILIPS_CO				İ
	R956	RG O-OHM WIDERSTA	060)3							Į
	R958	RG O-OHM WIDERSTA SMD RESISTOR EIAG		3			PHILIPS_CO				
ĺ	R959	RG O-OHM WIDERSTA		_ 1			PHILIPS_CO				l
	R960 963	RG 1R +-1% TK250 SMD RESISTOR ELAC	060	0603		048.4187.00		CR O			
	R964	RG O-OHM WIDERST	AND	0603	0	009.9369.00	PHILIPS_CO	RC21	O OHM	-	
ı	R967	RG O-OHM WIDERST	ANE	0603	0	009.9369.00	PHILIPS_CO	RC21	O OHM		1
vor.	R968	RG O-OHM WIDERST	AND	0603	0	009.9369.00	PHILIPS_CO	RC21	O OHM .		1
	R1006	SMD RESISTOR EIA	00	6503	0	009.6960.00	DRALORIC	CR O	603		
alle Rechte	R1007	SMD RESISTOR EIA RG O-OHM WIDERST	ANI	0603	0	009.9369.00	PHILIPS_CO	RC21	O OHM		
rus 3	R1008	SMD RESISTOR EIA RG 12K1 +-1% TK1	00	0603	0	010.8462.00	DRALORIC	CR O	603		-
×ir	R1310	SMD RESISTOR EIA RG O-OHM WIDERST	ANI	1206	RG 0	0007.5108.00	DRALORIC	CR 1	206		
	R1311	RESISTOR CHIP O- RK SMD-HEISSL.22	QR	0805	1	039.1310.00	SIEMENS	B576	20-C221-K62		
	1317 R1318	SMD-NTC-RESISTOR RL 0,40W 15,0K0H		- 1%TK50	RL C	0092.1580.00	DRALORIC	SMAC	204		
	R1319	RESISTOR RK SMD-HEISSL.22		0805	1	039.1310.00	SIEMENS	B576	20-C221-K62		
	R1320	SMD-NTC-RESISTOR RK SMD-HEISSL.10	OK	1206	C	0008.9236.00	SIEMENS	B576	21-C104-J		I
	R1330	SMD-NTC-RESISTOR RG 51K1 +-1% TK1	00		1	1097.6486.00	DRALORIC	CR C	0603		
-	R1331	SMD RESISTOR EIA			RG C	0007.5589.00	PHILIPS_CO	RCO2	!		Ì
	R1340	RESISTOR CHIP RG 1MO +-1% TK10 SMD RESISTOR EIA		0603	RG C	0009.5370.00	DRALORIC	CR C	0603		
	1351 S1	BM HMC158C8 VERD			1	1085.2151.0	HITTITE_MI	HMC 1	158C8		
	S2	FREQUENCY DOUBLE	R	TSWITCH	l		STANFORD_N				
	S3	GAAS RF-SWITCH		TSWITCH			STANFORD_N				
	30	GAAS RF-SWITCH									
	U5	BO LM2903D 2XL	P	COMPAR	(0520.7734.0	SIGNETICS	LM29	903(D)		
	U6	BO LM2903D 2XL	.Р	COMPAR			SIGNETICS		903(D)		
	ีย7	ER JPS-2-1W 2WEG 2WAY POWER DIVID]		MINI-CIRCL				
	U8	ER JPS-2-1W 2WEC	3-L	.TEILER		1085.1603.0	MINI-CIRCU	J JPS	-2-1W		
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Comp. No.	Designatio	2N	-	STOCK NO.	Manufacturer	NB:	signation	CONTR	iiii da iii
U9	BM MC2320 MIXER MODULE	MIXER		1085.2139.00	WATKINS-JO	MC23	320		
U10	BM SME1400B-17 MIXER MODUL	MIXER		1085.2145.00	WATKINS-JO	SME 1	1400B-17		
V1	AE BAR64-04 CA			1039.1327.00	SIEMENS	BAR	6404 (Q62702-A101		
9 V10		45V 200MA	AK	0007.7975.00	MOTOROLA	всве	бов		
V11		45V 200MA	AK	0007.7975.00	MOTOROLA	вс86	60B		
V12	TRANSISTOR AE BZX284-B5V6	O,4W ZDI		0048.4129.00	PHILIPS_SE	BZX2	284-B5V6		
V13	ZENER DIODE AE BZX284-B5V6	O,4W ZDI		0048.4129.00	PHILIPS_SE	BZX2	284-B5V6		
V14		5V UDI	AD	0007.4924.00	VALVO	BAS 1	16 (A6P)		
17 V18		E 45V 200MA	AK	0007.7975.00	MOTOROLA	BC86	SOB		
V19	TRANSISTOR AK BFP450 NPN 4			4048.1483.00	SIEMENS	BFP4	150 (-F1590)		
V20	RF-TRANSISTOR NI AK BFP450 NPN 4	,5V 100MA		4048.1483.00	SIEMENS	BFP4	ISO (-F1590)		
V21	RF-TRANSISTOR NI AE BZX284-B6V8			0048.3545.00	PHILIPS_SE	BZX2	84-B6V8 _		
V22	ZENER DIODE AE BZX284-B6V8	O,4W ZDI		0048.3545.00	PHILIPS_SE	BZX2	84-B6V8		
V23		5V UDI	AD	0007.4924.00	VALVO	BAS 1	6 (A6P)		
V24		5V UDI	AD	0007.4924.00	VALVO	BAS 1	6 (A6P)		
V25	HIGH-SPEED DIODI AE BAT15-03W	SCHOTTKY		1085.1526.00	SIEMENS	BAT 1	5-03W (-A1104)		
V26		45V 200MA	AK	0007.7969.00	VALVO	вс85	ЮВ		
28 V29	TRANSISTOR AE BZV55/C5V1	O.5W ZDI	AE	0006.9839.00	PHILIPS_SE	BZV5	5585V1 (GEG)		
V30		45V 100MA		1100.4349.00	SIEMENS	BC85	7S (Q62702-2373)		
V31		O,4W ZDI		0048.3545.00	PHILIPS_SE	BZX2	84-B6V8		
V32		45V 100MA		1100.4349.00	SIEMENS	BC85	7S (Q62702-2373)		
V33	PNP TRANSISTOR A AE BZX284-B5V1 ZENER DIODE			0048.3516.00	PHILIPS_SE	BZX2	84-B5V1		
V34 37		45V 100MA		1100.4349.00	SIEMENS	BC85	7S (Q62702-2373)		
V38	AE BAR63-03W PIN DIODE	PIN	Ì	1051.4851.00	SIEMENS	BAR6	3-03W (-A1025)		
V39	AE BZX284-B8V2 ZENER DIODE	O,4W ZDI		0048.4306.00	PHILIPS_SE	BZX2	84-B8V2		
V40	AE BZX284-B8V2 ZENER DIODE	O,4W ZDI		0048.4306.00	PHILIPS_SE	BZX2	84-B8V2		
V41 49		45V 100MA		1100.4349.00	SIEMENS	BC85	7S (Q62702-2373)		
V50	AE HSMS2800 SCHOTTKY DIODE	SCHOTTKY	AE	0836.8421.00	HEWLETT_PA	HSMS	-2800(#L31)		1
V51	AE HSMS2800 SCHOTTKY DIODE	SCHOTTKY	AE	0836.8421.00	HEWLETT_PA	HSMS	-2800(#L31)		
V52	AE BZX284-B5V6 ZENER DIODE	O,4W ZDI		0048.4129.00	PHILIPS_SE	BZX2	84-B5V6		
V53	AE BB833 9,3/0. VARACTOR	,75PF CDI		1051.4751.00	SIEMENS	BB83	3 (-B628)		
V54	AE BB833 9,3/0 VARACTOR	,75PF CDI		1051.4751.00	SIEMENS	BB83	3 (-B628)		
V55		45V 100MA		1100.4349.00	SIEMENS	BC85	7S (Q62702-2373)		
V56		45V 100MA		1100.4349.00	SIEMENS	BC85	7S (Q62702-2373)		
V57	AE BZX284-B5V1 ZENER DIODE	O,4W ZDI		0048.3516.00	PHILIPS_SE	BZX2	84-B5V1		
V58	AE BZX284-B10 ZENER DIODE	O,4W ZDI		0048.3551.00	PHILIPS_SE	BZX2	84-B10		
V59	AE BB833 9,3/0 VARACTOR	,75PF CDI		1051.4751.00	SIEMENS	BB83	3 (-B628)		
V60	AE BAR63-03W PIN DIODE	PIN		1051.4851.00	SIEMENS	BAR6	3-03W (-A1025)		
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RGH7 FXTENSION

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Ŧ	Comp. No.	Cosignetti				SIUCK NO.	[MIGHQ (GCC)]		20.05	 <u> </u>
	V157	AK BCP68-16 N MEDIUM POWER TR	ANS:	ISTOR		0008.2019.00			58-25	
ı	V159	AK BCP68-16 N MEDIUM POWER TR				0008.2019.00			58-25 ·	
	V160 168	AE BB833 9,3/0 VARACTOR	, 75	PF CDI		1051.4751.00	SIEMENS	BB83	33 (-B628)	
	V169	AE BZX284-B2V7 ZENER DIODE	0,	4W ZDI		0048.3345.00	PHILIPS_SE	BZX	284-B2V7	
	V172	AE BB833 9,3/0	, 75	PF CDI		1051.4751.00	SIEMENS	BB83	33 (-B628)	
	177 V180	VARACTOR AM SI9410DY N-E	30	OV MOSF		1081.0354.00	SILICONIX	S194	410DY	
	V181	MOSFET AM SI9410DY N-E	30	OV MOSF		1081.0354.00	SILICONIX	S194	4 10DY	
I	V186	MOSFET AE HSMS2825 1+				1010.6214.00	HEWLETT_PA	HSMS	S2825 L31	
	V191	SCHOTTKY DIODE AM SI9435DY P-E				1081.0277.00	SILICONIX	S194	435DY	
I	V192	MOSFET AM BSS138 N-E	. 5	OV MOSF	1	0520.7740.00	SIEMENS	BSS	138 (-S566)	
	196 V197	MOSFET AE BB833 9,3/0	, 75	PF CDI		1051.4751.00	SIEMENS	BB83	33 (-B628)	
۱	V198	VARACTOR AE BB833 9,3/0	, 75	PF CDI		1051.4751.00	SIEMENS	вв83	33 (-B628)	
	V199	VARACTOR AE BZX284-B2V7 ZENER DIODE	Ο,	4W ZDI		0048.3345.00	PHILIPS_SE	BZX	284-B2V7 [:]	
	X1	FJ EINLOETSTECK	ER (GER SMP		1093.6481.00	ROSENBERGE	195	-101-40M-E4	
	8 x9	CONNECTOR FJ EINLOETBUCHS	E M	MCX		1085.1532.00	SUHNER	82M	MCXS50-0-2/111KG	
	X10	CONNECTOR FP STIFTLEISTE	4P :	SMD		1093.6823.00	AMP	9669	926-2	
	X12	CONNECTOR FJ EINLOETSTECK	ER (GER SMP		1093.6481.00	ROSENBERGE	19S	-101-40M-E4	
ı	X14	CONNECTOR FP STIFTLEISTE	4P :	SMD		1093.6823.00	AMP	9669	926-2	
	20 X500	CONNECTOR FP STECKERLEIST	E 3	2P0L.	FP	0008.5718.00	DEUT_ELCO	16 8	3457 064 002 027	
	X501	CONNECTOR 32P. FJ EINLOETBUCHS CONNECTOR	E M	MCX		1085.1532.00	SUHNER	82M	MCXS50-0-2/111KG	
	Z1	LD T-FILTER 3,	3NF	SMD		1039.1362.00	MURATA	NFM	31R2OT332T1	
	Z4	SMD-FILTER LD T-FILTER 3,	3NF	SMD		1039.1362.00	MURATA	NFM	51R2OT332T1	
ŀ	10 Z12	SMD-FILTER LD T-FILTER 100	PF	SMD		1039.1356.00	MURATA	NFM	51R00T101T1	
	19 Z20	SMD-FILTER LD PI-FILTER 2X1NF SMD				4024.7152.00	TUSONIX	4700	0-003	
	Z22	LD PI-FILTER 2	SMD-CERAMIC-PI-FILTER LD PI-FILTER 2X1NF SM			4024.7152.00	TUSONIX	4700	0-003	
	Z23	LD PI-FILTER 2				4024.7152.00	TUSONIX	4700	0-003	
	Z24	SMD-CERAMIC-PI- LD T-FILTER 3,			1039.1362.00	MURATA	NFM	61R2OT332T1		
	Z2 5	SMD-FILTER LD PI-FILTER 2X1NF SMD SMD-CERAMIC-PI-FILTER LD PI-FILTER 2X1NF SMD SMD-CERAMIC-PI-FILTER				4024.7152.00	TUSONIX	4700	0-003	
	Z26					4024.7152.00	TUSONIX	4700	0-003	
		SMD-CERAMIC-PI-	LIL	IEK						
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ROHDE&SCHWARZ		14	22.09.99	EE 6-GHZ-ERWEITERUNG 6GHZ EXTENSION	1084.9600.01 SA	43-

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XY-Liste

XY List

Erklärung der Spaltenbezeichnungen:

el. Kennz. Bauelement-Kennzeichen

Seite Leiterplatten-Seite, auf der sich das

Bauelement befindet

X/Y Koordinaten (in Millimeter) des Bauelementes auf der

Leiterplatte bezogen auf den Nullpunkt

Planq., Bl. Planquadrat und Seite des Schaltbildes

für das jeweilige Bauelement

Explanation of column designations:

Part Identification of instrument part

Side Side of the PC board on which instrument part is

positioned

X/Y Coordinates (in units of millimeters) of the component

on the PC board in reference to zero point

Sqr, Pg Square and page of the diagram for

the respective instrument part

•			

Service—Relevante Bauteile / Service—Relevant Components BI. el. Kennz. Seite Part Side el. Kennz Seite Part Side el. Kennz. Seite Planq. Х Х Х Side Sqr Sqr Part Sqr Pg 4B 2E 30 8 6A 4D 29 30 R394 254 105 P8 R173 B 263 255 59 12 29 30 P1 P3 ВВ 41 263 6D 128 137 R848 107 44 6E Benennung: EE 6-GHZ-ERWEITERUNG
Designation: 6-GHZ-EXTENSION Aei: C.I.: 08.01 Sprache: Lang.: Blatt: Sh.: ROHDE & SCHWARZ 1+ de

Name: HO

Abteilung: 1GPK

Datum: 99-09-30

^{Тур:} SMIQ

Sachnr.: 1084.9600.01 XY

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Nich	ıt-	Serv	/ice-	-Rele	evan	te Bau	ıtei	le / I	Non	<u>-Ser</u>	vic	<u>e-</u>	Rele	var	it Co	omp	oner	nts
el. Kennz.	Seite <i>Side</i>	х	Υ	Planq.	Bl. <i>Pg</i>	el. Kennz Part	Seite Side	Х	Υ	Planq.	Bl. Pg		el. Kennz. Part	Seite Side	×	Y	Planq.	Bl. Pg
Part A1	B	274	12	<i>\$qr</i> 8B	29	C74	В	67	84	2B	5	T	C148	В	233	129	3F	16
C1	В	138	59	2B	19	C75 C76	B B	37 17	142 116	4C 4B	12		C149 C150	A	234 237	119 25	8D 1D	16 29
C2 C3	A B	244 49	103 126	3E 5D	34 12	C77	B	47	114	3C	8	- (C151	Α	233	20	3F	29
C4	В	154	79	5C	15	C78 C79	B B	154 184	92 89	3B 8B	21		C152 C153	A	250 238	22	3F 3F	29 29
C5 C6	A	24 56	133	3E 5F	12	C80	В	187	72	3D	20		C154	A	289	84	3A	29
C7	В	154	24	4E	36	C81	В	160	92 92	4B 4B	21 21		C155 C156	A	56 255	134 46	3A 2C	36 29
C8 C9	B B	126 61	56 97	4D 5C	36 7	C82 C83	B	157 154	115	3C	23		C157	Â	258	40	2C	29
C10	В	37	16	2C	4	C84	В	154	111	3C	23		C158	A	251	62	1E 1E	30
C11	В	93	82	6D 7C	6	C85 C86	B B	115 161	118 58	2C 5B	14 19		C159 C160	A B	262 255	57 31	3E	30
C12 C13	B B	42 40	80 14	20	4	C87	В	233	139	8C	25	- 1	C161	В	251	54	6D	30
C14	В	62	82	1B	5	C88 C89	B	177 260	61 136	1B 4C	20 26		C162 C163	ВВ	259 248	51 47	6D 2E	30 30
C15 C16	B	92 92	73 77	6D 6D	6	C90	В	69	73	2C	5	- (C164	Α	288	35	7C	31
C17	В	92	79	6D	6	C91	Α	54 49	133 135	3A 6D	36 12		C165 C166	A	277	37 25	1E 1D	31 31
C18 C19	B B	26 163	61 72	5D 7D	9 19	C92 C93	A	44	136	6E	12		C167	Â	288	24	2D	31
C20	В	162	91	4B	21	C94	Α	184	93	5C	36		C168	A	288	38	3E 2F	31 31
C21	A	276	27	7D	31	C95 C96	B	182 67	60 65	3B 6C	20 5		C169 C170	A	283 291	128	7E	26
C22 C23	A B	75 31	79 134	7E 2B	5 12	C97	Α	61	74	6D	5	l l	C171	Α	255	16	3F	32
C24	В	164	52	6A	19	C98 C99	A	45 44	81 82	1F 1F	5		C172 C173	A	195 215	42 19	5F 1F	32 33
C25 C26	B	132 62	88 58	6B 4B	15 5	C100	B	220	61	7B	20		C174	В	233	48	3F	33
C27	В	66	72	2C	5	C101	A	70 77	53 110	4E 1E	5 8		C175 C176	A	217	23 49	1F 3F	33 33
C28 C29	B B	46 65	134	4B 1B	12 5	C102 C103	B	198	61	4B	20		C178 C177	Â	222	33	3C	33
C30	В	35	132	4D	12	C104	В	167	91	5B	21		C178	A	224	33	3D	33
C31 C32	B B	239	72	2B	34	C105 C106	B B	174 187	92	7B 4D	21 20		C179 C180	A B	192	41 116	3E 5B	33 24
C32	B	239 77	70 82	2A 2B	5	C107	В	207	55	6D	20		C181	Ā	247	48	5C	33
C34	A	218	59	6A	36	C108 C109	B	214 168	66 82	5A 6A	20 21		C182 C183	B	167 157	116	8C 6C	23 23
C35 C36	B	16 60	126 22	6D 4A	11 3	C110	В	65	82	1C	5		C184	В	285	140	6B	26
C37	Α	23	143	ЗА	36	C111	В	72	82	2B	5		C185	В	261 239	116 91	8B 2F	27 34
C38 C39	B	202 93	95 95	4B 7A	22 6	C112 C113	B	231 185	107 91	6E 1B	17 22		C186 C187	В	96	132	5B	13
C40	A	48	110	2A	8	C114	В	206	87	5B	22		C188	A	244	84	2E	34
C41 C42	A B	83 24	110	2E 3A	8	C115 C116	A B	184 238	65 109	1E 5E	20 17		C189 C190	A	156 70	39	1F 2D	35 36
C43	В	40	29	2D	4	C117	В	243	81	6E	17		C191	8	225	141	7C	25
C44	В	78	79	2A	5	C118 C119	B	171 188	78 82	7E 3D	21 22		C192 C193	B	123 169	80 43	3C 2B	15 35
C45 C46	B	244 266	140 114	2C 7A	26 36	C120	В	202	78	5A	22		C194	A	145	39	1E	35
C47	Α	287	127	7A	36	C121	В	193	80	3D	22		C195	Α	283	127	8A 2C	36 36
C48 C49	В	60 181	40 57	5A 2E	5 20	C122 · C123	ВВ	216 141	92	7B 4B	22 17		C196 C197	A	88 44	95	2B	36
C50	Â	192	96	2E	22	C124	В	242	81	7E	17	Н	C198	Α	26	93	1A	36
C51	A	163	123	2E	18 24	C125 C126	A B	195 235	96	1E 8E	22 17		C199 C200	A B	13 151	54 70	1E 5D	36 15
C52 C53	A B	191 143	105 62	6E 2C	19	C127	В	237	91	7E	17	П	C201	Α	277	108	8A	36
C54	Α	229	139	7A	36	C128 C129	ВВ	238	119 73	5E 6D	17 22		C202 C203	B	238 192	100	8E 6D	17
C55 C56	A	297 164	88 64	7B 6A	36 36	C130	B	192	97	2C	22	П	C204	В	244	86	6E	17
C57	Α	277	113	8D	36	C131	B	152	122	5D 5B	17	П	C205 C206	B	242	96	7E 8E	17 17
C58 C59	A	252 168	109	8D 5C	36 36	C132 C133	B	146 159	130	1B	17 18	П	C206	A	123	94	4A	36
C60	A	139	129	5A	36	C134	В	168	135	2B	18		C208	A	204	81	5B	36
C61	A	195	143	5A	36	C135 C136	A	167	126 107	1E 5E	18 24		C209 C210	A	218 135	134	6B 6B	36 36
C62 C63	A	167	112	5B 5B	36 36	C137	В	175	116	3B	24	П	C211	A	189	112	5C	36
C64	Α	164	83	5B	36	C138 C139	B	236 181	100 134	8E 4B	17		C212 C213	A	156 111	133	5C 3C	36 36
C65 C66	A	258 258	29 36	6E	29 29	C139	В	198	135	7B	18		C214	Â	124	76	3C	36
C67	В	287	86	3B	29	C141	Α	114	109	6B	14		C215	A	112 79	140 36	3A 3D	36 36
C68 C69	8	286 40	113 102	5B 1D	27 8	C142 C143	B	118	97	7D 1C	14 23	$\ \ $	C216 C217	A	78	38	3D	36
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ROHDE & SCHWARZ S	C277	1	1	104			C351	В	174	43	4E	35	C4	25	В	189	131	5C	18
2280 B 290 117 2D 27 C354 B 21 56 4C 9 C428 B 145 136 5B 17 C281 B 242 124 6E 16 C355 B 191 58 3C 20 C429 B 142 119 2C 17 C282 A 269 101 3D 28 C356 B 18 141 1C 12 C430 B 136 124 3C 17 C283 B 65 60 4B 5 C357 B 17 144 1C 12 C431 B 144 139 4C 17 C284 A 217 140 8A 25 C358 B 20 143 1C 12 C431 B 144 139 4C 17 C284 A 217 140 8A 25 C358 B 20 143 1C 12 C432 B 276 118 7B 27 C285 B 71 70 3B 5 C359 B 41 116 3D 8 C433 B 166 128 2C 18 C286 A 208 136 8A 25 C360 B 47 143 4C 12 C434 A 238 110 7E 16 C287 B 243 58 6C 33 C361 B 195 107 6C 24 C435 B 189 142 5B 18 C288 B 152 92 3C 21 C362 B 169 105 7B 23 C436 B 256 94 4B 28 C289 A 209 98 8E 25 C363 B 176 103 2D 24 C437 B 156 78 5D 15 C289 B 198 104 7A 24 C364 B 19 126 6D 11 C438 B 206 136 8B 18 1229 129 8B 26 C365 A 15 111 3D 11 C439 B 202 135 7B 18 C299 B 16 21 5B 4 C366 B 13 118 4B 11 C440 B 179 130 4C 18 C299 B 30 29 4E 4 C366 B 13 118 4B 11 C440 B 179 130 4C 18 C299 B 30 29 4E 4 C366 B 13 118 4B 11 C440 B 179 130 4C 18 C299 B 30 29 4E 4 C369 B 40 105 2D 8 C443 B 128 134 8C 13	C278	В	194		1		C352	5		1									
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C283 B 65 60 4B 5 C357 B 17 144 1C 12 C431 B 144 139 4C 17 C284 A 217 140 8A 25 C358 B 20 143 1C 12 C432 B 276 118 7B 27 C286 B 71 70 3B 5 C359 B 41 116 3D 8 C433 B 166 128 2C 18 C286 A 208 136 8A 25 C360 B 47 143 4C 12 C433 B 166 128 2C 18 C288 B 152 92 3C 21 C362 B 169 105 7B 23 C436 B 189 142 5B 18 C289 B 198 104 7A	C282						C356	В	18	141	1C	12	C4	30					4
C285 B 71 70 3B 5 C359 B 41 116 3D 8 C433 B 166 128 2C 18 C286 A 208 136 8A 25 C360 B 47 143 4C 12 C434 A 238 110 7E 16 C287 B 243 58 6C 33 C361 B 195 107 6C 24 C435 B 189 142 5B 18 C288 B 152 92 3C 21 C362 B 169 105 7B 23 C436 B 189 142 5B 18 C289 A 209 98 8E 25 C363 B 176 103 2D 24 C436 B 256 94 4B 28 C290 B 198 104 C364	C283	В	65	1	4B			1										1	
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C291 B 292 129 8B 26 C365 A 15 111 3D 11 C439 B 202 135 7B 18 C292 B 27 19 4B 4 C366 B 13 118 4B 11 C440 B 179 130 4C 18 C293 B 16 21 5B 4 C367 B 76 26 4F 3 C441 B 171 140 3C 18 C294 B 30 29 4E 4 C368 A 44 76 1E 5 C442 B 184 103 3D 24 C295 B 34 37 5E 4 C369 B 40 105 2D 8 C443 B 128 134 8C 13 ROHDE & SCHWARZ Benennung: EE 6-GHZ-ERWEITERUNG Designation: 6-GHZ-EXTENSION Sprache: Lang.: de C.l.: 08.01	C289																1		
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C294 B 30 29 4E 4 C368 A 44 76 1E 5 C442 B 184 103 3D 24 E 6-GHZ-ERWEITERUNG Designation: 6-GHZ-EXTENSION Sprache: Lang.: de C442 B 184 103 3D 24 E 6-GHZ-EXTENSION Sprache: Lang.: de C442 B 184 103 3D 24 E 6-GHZ-EXTENSION Sprache: Lang.: de C442 B 184 103 3D 24 E 6-GHZ-EXTENSION Sprache: Lang.: de C442 B 184 103 3D 24 E 6-GHZ-EXTENSION Sprache: Lang.: de C442 B 184 103 3D 24 E 6-GHZ-EXTENSION Sprache: Lang.: de C442 B 184 103 3D 24 E 6-GHZ-EXTENSION Sprache: Lang.: de C442 B 184 103 3D 24 E 6-GHZ-EXTENSION	C292 C293		1				C367		76	26	4F	3	C4	141	В	171	140		18
ROHDE & SCHWARZ Benennung: EE 6-GHZ-ERWEITERUNG Designation: 6-GHZ-EXTENSION Sprache: Lang.: de Blatt: Sh.: 3 + C.l.: 08.01	C294	В	30	29		1 1		₹.	1	_									
ROHDE & SCHWARZ Designation: 6-GHZ-EXTENSION Lang.: de Sh.: 3 + C.I.: 08.01	C295	В	34	37	5E	4	C369	B	40	105	20	ß		+43	В	120	134	100	13
ROHDE & SCHWARZ Designation: 6-GHZ-EXTENSION Lang.: de Sh.: 3 + C.I.: 08.01	ΑÀ	<u></u>			Be	nennur	na: EE 6-	GHZ-	ERWI	EITERI	JNG		Sprac	the:					
ROTEL & SOUTH ALL	BURL A)F o	SUP	WAD	l n-		•				•				9	Ch.	3+	01.	8.01
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Nich	nt—S	Serv	ice-	Rele	evar	te Bau	ıtei	le / l	Non-	-Ser	vice		Relev	/an	t Co	mpo	Plang.	BI.
el. Kennz.	Seite	x	Υ	Planq.	BI.	el. Kennz	Seite Side	х	Y	Planq. <i>Sqr</i>	Bl. Pg	ei.	. Kennz.	Seite Side	X	Y	Sqr	Pg
	Side		83	Sqr 2B	<i>Pg</i> 21	Part C526	B	208	134	2A	25		604	В	220	126	6B	25
C444 C445	B	149 159	89	4C	21	C527	Α	95	136	8E	12		605	B B	297 81	138	5E 4E	26 3
C446	В	198	110	5C	24	C528	B	225	102 98	6D 4B	25 28		606 607	В	53	22	4D	3
C447	В	192	107	5B 4C	24 15	C530 C531	B	257 224	138	7C	25	Ĭč	608	В	83	28	1D	6
C448 C449	A	131 211	72 110	8B	25	C532	В	30	102	5D	10	0	609	В	42	61	7E 5C	4 26
C449	В	160	105	6C	23	C533	В	33	135	3C	12		610 611	B	274 259	134	5D	30
C451	В	170	113	7B	23	C534	В	17 34	119 75	4B 6C	11 4		612	В	249	65	4B	30
C452	В	112	141	3E 4E	13	C535 C536	B	218	54	6C	20	1 1	613	В	254	57	6C	30
C453 C454	B	117 110	136	3A	14	C537	B	215	53	6C	20		614	В	209	21	2F 2E	32 12
C455	В	275	88	7B	28	C538	В	175	69	8C	19		615	A	35 64	136 43	4E	5
C456	В	98	144	6B	13	C539	B	172 171	69 136	8C 3B	19 18		616 617	B	209	61	5B	20
C457	В	123	132 142	6D 2E	13 13	C540 C541	B	180	135	4B	18		618	В	67	26	3D	3
C458 C459	ВВ	108 110	134	3E	13	C542	В	174	140	3C	18		619	A	121	119	2E 5B	14 21
C460	В	124	118	2C	14	C543	В	176	130	3C	18		620 621	B	167 284	95 92	8B	28
C461	В	124	104	4C	14	C545	ВВ	196 107	114	6B 7B	13		622	Ä	283	142	2E	26
C462	ВВ	118 118	101	5C 5C	14	C546 C547	В	122	139	5E	13		2623	Α	270	108	7E	27
C463 C464	В	13	116	4B	11	C548	В	211	107	6E	25	R	2624	В	195	61	4B 7B	20 21
C465	В	128	75	5C	15	C549	В	119	141	5D	13		2625 2626	B	176 139	90	4B	17
C466	В	118	108	3C	14	C550	B	28 212	142	2C 6B	12 25	1	2626 2627	В	120	18	3F	36
C467	В	222 90	126	6B 7E	25 12	C551 C552	В	163	64	6B	19		2628	В	118	64	5D	36
C468 C469	A	131	102	4B	15	C553	Ā	251	57	6B	30		2629	В	38	141 80	4C 8C	12
C470	Α	214	110	8B	25	C554	A	296	112	5D 3C	27		2630 2631	B	54 89	51	4D	6
C471	A	119	85	2A	15	C555 C556	ВВ	59 23	63 76	6B	9		2632	В	102	133	6B	13
C472 C473	B	153	71 132	5D 3E	15 12	C557	В	168	61	7B	19		2633	В	115	117	3C	14
C473	В	13	122	5B	111	C558	В	18	92	3D	10		C635	В	271	139	5B 3B	26 19
C475	В	13	125	5B	11	C560	В	290	120	2C	27		C636 C637	В	143	54 22	7C	31
C476	В	91	88	7D	6	C561 C562	ВВ	293 299	110	4B 3B	27 27	1	C638	Â	292	129	7D	26
C477 C478	B	131	100	5B 5B	15 24	C564	В	289	107	5C	27		C639	В	299	136	6E	26
C478	В	153	100	5A	15	C565	В	255	110 105	2B 3B	28		C640	A	24	60	6A 7A	9 28
C480	В	241	141	2B	26	C566	B	255	28 28		C641 C642	B	291	91 50	7E	4		
C481	B	237	141	1B 3B	26 26	C567 C568	B	255 265	119	1C 3C	28		C643	В	279	132	6A	26
C482 C483	B	257 134	134	5A	15	C569	В	202	61	4B	20		C644	Α	59	140	8C	12
C484	В	214	111	7B	25	C570	В	251	131	3A	26		C645	A	37	137	1E 4B	12
C487	В	283	86	3B	29	C571	A	298	118	3D 7C	27 10		C646 C647	ВВ	18	17	3B	4
C488	В	279	141	6B 2B	26 27	C572 C573	B	24	56	4D	9		C648	A	14	18	1B	4
C489 C490	B	293 290	109	4B	27	C574	B	94	54	4D	6		C649	A	13	107	7A	10
C491	В	295	109	3B	27	C575	В	92	74	6D	6		C650	B	30	34	4E 1D	4
C492	В	300	118	2B	27	C576	B	19	100	6D 8D	10	П	C651 C652	B	77	24	4E	3
C493	В	267	118	8B 6A	27 25	C577 C578 -	ВВ	167	97	5B	21	11	C653	A	57	47	4E	5
C494 C495	B	213	113	7B	27	C579	B	184	107	4C	24	Н	C654	В	70	41	6B	5
C496	В	266	112	8A	27	C580	B	190	61	3B	20	Ш	C655 C656	B	79 67	52 81	5C 6C	5
C497	В	287	110	5B	27 28	C581 C582	B	179	89 134	8B 3B	17	Н	C657	lÂ	144	44	4C	35
C498 C499	B	255 254	113	2B 2B	28	C583	B	,	137	3B	17		C658	Α	115	121	2E	14
C500	B	254	102	3B	28	C584	В	157	111	6C	23	П	C659	Ä	123	108	7C 3E	14
C501	В	257	117	1B	28	C585	B	1	108	1C 2D	23 28	$\ \ $	C660 C661	B	75 91	85	7D	6
C502	В	260	100	3B 4C	28 21	C586 C587	A		16	2C	4	Ш	C662	В	84	96	8D	6
C508 C509	ВВ	162 212	61	5B	20	C588	E		70	6D	6		C663	В	77	120	7D	8
C510	В	180	116	3B	24	C589	B	1 -	69	3C	5		C664	B	269 277	108	8A 7C	27 27
C511	В	98	137	6B	13	C590	100	1	36	4A 4C	35 28		C665 C666	B	41	130	5A	12
C512	В	204	91	4B 5C	22	C591 C592	A	1	41	4D	35	П	C667	Ā	287	110	3F	27
C514 C515	B	52 39	97 68	7C	4	C593	A		21	4A	3		C668	В		105	5D	27 28
C515	B	33	60	8E	4	C594	E		20	30	4		C669	A		119	1D 5F	28
C517	Α	100	136		12	C595	1 6		121 43	3E 6E	27		C670 C671	A	Ł	143		26
C518	В	139	104 65	8A 8E	15	C596 C597	E				28		C672	A	270	111	7E	27
C519 C520	B B	137 149	80	8D	15	C598	E	257	87	6A	28		C673	В		126		12 36
C521	В	145	97	8B	15	C599	€		126	1			C674 C675	B	1	43 125	4D 2F	12
C522	В	212			25	C600		\ 19 3 177	106	7B 7C			C676	A		43	4F	5
C523	B	216	104		25 25	C601 C602		3 177	1	1	i	1	C677	Α	116	117		14
C524 C525	B			· •		C603		3 131		60	15		C678	E	40	25	2D	4
3020							<u></u>	- mc.	<u> </u>			1	oracha:		Blatt		Aei:	
4				r	enenni				VEITE	TUNG			prache: ang.:	4	Sh.:		101.	08.01
ROH	DE .	& SC	HWA	RZ	esigna	o-Gr		XTENS						de		4+	<u> </u>	***************************************
Typ: C				im: 99-	00.0	Abtei	lung:	1GPK		Name:	НО		3	Sachr Part N	r.: 10	84.96	00.0°	I XY
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Nic	րt—:	Serv	/ice-	Rele	eval	nte	Bau	ıtei	le / l	Non-	-Sei	VIC	e.	-Rele	/an	t Co	mp	_	
el. Kennz.	1	x	Y	Planq.	81.	1 -		Seite	Χ -	Y	Planq.	Bl.		el. Kennz.		х	Υ	Planq. <i>Sqr</i>	BI. Pg
Part	Side		142	Sqr 2F	<i>Pg</i> 26	Pai C7		Side B	174	107	Sqr 2C	<i>Pg</i> 24		Part C844	Side A	37	112	2E	11
C679 C680	A	286 273	109	7E	27	C7		В	177	107	3C	24		C845	Â	95	62	2E	5
C681	В	49	140	5C	12	C7		В	58	16	4B	3		C846	Α	90	62	3E	5
C682	B	75	97	4C	7	C7		В	146	62	2C	19 29		C847 C848	A B	76 276	62 116	3E 7B	5 27
C683 C684	B	66 40	97 75	5C 7C	7	C7		A B	274 186	90 106	4B 4C	24		C849	A	64	56	7D	5
C685	B	92	57	5D	6	C7		В	225	106	6D	25		C850	Α	91	50	8D	5
C686	В	86	115	6D	8	C7		В	127	126	8D	13	1	C851	В	161	72	7D	19
C687	B	195	88	3B	22 22	C7 C7		B	113 218	110 111	3B 6E	14 25	1	C852 C853	B A	165 96	50 50	6A 8D	19
C688 C689	B	201 190	94 138	4B 5B	18	C7		В	210	128	6B	25		C854	Â	40	104	2E	11
C692	В	268	93	6B	28	C7		В	119	117	2C	14	.	C855	В	174	49	2D	20
C693	В	289	96	8A	28	C7		В	119	106	4C	14		C856	В	194	73 49	3E	20 20
C694 C695	8	66 59	53 72	4C 2D	5	C7		B	212 97	128 132	6A 7B	25 12		C857 C858	B	195 202	52	6D	20
C696	Ä	56	127	7D	12	C7		A	93	132	7B	12		C859	В	215	68	5A	20
C698	В	79	70	2A	5	C7		В	271	137	5C	26		C860	В	165	81	6A	21
C699	В	60	35	4A	5	C7		В	282	137	6B 8C	26		C861 C862	B B	166 188	77	6E	21
C700 C701	B	59 57	49 43	4B 4A	5	C7		A	125 270	138 138	5D	13 26		C863	В	202	73	4A	22
C702	В	72	58	4C	5	C7		В	292	105	5C	27		C864	В	198	77	3D	22
C703	В	64	43	5B	5	C7	86	В	287	120	2C	27		C865	В	209	70	6E	22
C704	В	79	61	5D	5	C7		В	112	75 106	2F 2C	15 23		C866 C867	B B	201 149	97 123	2D 5D	22 17
C705 C707	A B	63	74 29	7C 4F	5 3	C7		B	153 28	106	2C	12		C868	В	144	129	5A	17
C707	В	52	108	4C	8	C7	90	В	47	137	5B	12		C869	В	187	124	6D	18
C709	В	26	71	7B	9	C7		В	270	100	3D	28		C870	В	198	143	5A 3E	18
C710	В	273	92 109	7B 7B	28 10	C7		B B	252 151	118 117	1D 4C	28 23		C871 C872	B B	181 156	122	3E	18
C711 C712	B	158	54	5C	19	C7		В	184	111	4C	24		C873	В	162	123	2D	18
C713	В	146	58	2C	19	C7		8	22	93	3D	10		C874	В	197	101	6A	24
C714	В	24	47	4E	9	C7		В	19	107	7C	10		C875	В	190	101	6C	24
C715	В	252 171	90	5A 8D	28 19	C7		ВВ	160 186	112	5C 5C	23 24		C876 C877	B	165 173	102	7B 2E	23 24
C716 C717	B	266	85	5B	28	C7		В	201	88	3B	22		C878	В	183	101	3E	24
C718	В	38	35	3D	4	C8		В	194	92	2B	22		C879	Α	38	107	2E	11
C719	В	25	43	4E	9	C8		В	216	84	6B	22		C880	В	128	138	8C	13
C720 C721	A	178 183	53 54	2D 1D	20 20	C8		B	199 194	81	3C 3C	22		C881 C882	B	268 111	92	6B 1F	28 15
C722	B	143	57	3C	19	1	04	В	27	132	2A	12		C883	Ā	116	87	3F	15
C723	В	155	54	4B	19	C8		В	182	110	4C	24		C884	В	110	119	3A	14
C724	Α	261	88	4A	28		06	В	204	109	7B	24		C885	В	125	110	2D	14
C725 C726	B	172 194	107	3C 6B	24 24	1	107 108	B	160 145	115	5C 2A	23		C886 C887	B	125 116	95 81	4D 3E	14
C727	A	199	87	1D	22	•	109	В	184	116	4B	24		C888	В	130	74	5C	15
C728	A	201	97	2D	22	C8	12	В	204	93	4B	22		C893	В	280	83	4B	29
C729	В	91	20	3E	36		14	В	90	97	8D	6	l	C894	В	218	136	7A	25 25
C730 C731	B	91 254	23	3E 5D	36 29		315 316	B	38	115	2D 7A	8	l	C897 C898	B	209 225	140	7B 7D	25
C732	Â	256	35	5D	29		317	Â	59	118	2A	8		C899	В	211	98	7E	25
C733	В	91	26	3E	36		118	В	172	92	6B	21		C900	В	209	113	7B	25
C734	В	18	95	3D	10		119	В	244	140	2B 2C	26 23	l	C901 C902	ВВ	246 274	131	3A 5D	26 26
C735 C736	B	152 149	54 54	4B 4B	19 19		320 321	B B	152 162	110 88	4B	21		C903	В	300	129	6E	26
C737	В	181	72	3D	20	CE	322	В	160	95	4C	21		C904	В	281	128	6A	26
C738	В	189	54	3D	20		323	В	192	91	2B	22		C905	В	272	108	8A	27
C739	A	160	126	2D 1D	18 18		324 325	B	190	126 63	6E 3B	12 20	ĺ	C906 C907	ВВ	280 293	107 97	7C 8A	27 28
C740 C741	A B	163 210	129 52	6D	20		325 326	В	15	129	7B	11		C908	В	245	15	8B	32
C742	A	191	102	6C	24	C8	327	В	96	41	2D	6	1	C909	В	245	26	8C	32
C743	В	179	110	3C	24		328	B	101	41	3D	6		C910	В	233	27	8D	32
C744	A	186	108	6D 3C	24 24		329 330	B	110	47	3D 3D	6		C911 C912	B	243 234	21	6E 7E	32 32
C745 C746	ВВ	174 178	110	7E	24		331	В	211	82	6B	22		C913	В	33	101	5D	10
C747	В	191	85	3C	22	C	334	В	102	92	8B	6	1	C914	В	20	130	6B	11
C748	A	122	111	3D	14		335	B	42	121	2B	8		C915	В	21	123	3B	11
C749	В	196	81 74	3C 6D	22		336 337	BB	286 294	94	2B 5B	29 29		C916 C917	В	24 27	125	2B 3E	11
C750 C751	B	213 155	124	6D	17		338	В	257	98	4B	28	i	C918	A	20	123	6D	11
C752	В	194	124	6D	18	C	339	Α	99	130	4A	36		C919	A	15	129	6D	11
C753	В	158	99	5B	15		340	A	90	130	3A	36		C922	B	39	137	3D	12
C754 C755	B	172	122	3D 5A	18		341 342	A B	94	130	4A 3E	36 8		C924 C925	ВВ	16	86	1D 2D	10
C756	В	134 166	142	3D	18		343	A	35	115	3E	11		C926	В	21	74	7C	9
	<u> </u>					Ц_						<u></u>	1	1	1	1	1 1		1
ROHD	E &	SCH	WAR	10-	nennur signati				ERWE FENSI		JNG			iprache: ^{.ang.:} de		Blatt: Sh.:	5 +	Aei: <i>C.I.:</i> 08	8.01
Typ: Type: SN				99-0	9_30		Abteilun		GPK	LNI	ame: -	10	ــــــــــــــــــــــــــــــــــــــ	Sa	chnr.: rt No.	100	1	0.01	
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Nich	ıt—S	Serv	ice-	Rele	evar	nte Ba	utei	le / 1	lon-	-Ser	vic	e-	Relev	van	t Co	mpo	nen	ts
el. Kennz. S	Seite	х	Y	Planq.	BI.	el. Kennz	Seite	х	Υ	Planq.	Bl.	•	el. Kennz. Part	Seite Side	×	Υ	Planq.	Bl. Pg
	Side		58	Sqr 4D	<i>Pg</i> 9	Part D9	Side A	280	29	Sqr 7B	<i>Pg</i> 31		D30	B	211	27	2F	32
C927 C928	B B	24 17	90	2D	10	D9	Α	280	29	7C	31 31		D30 D31	B	211 242	27 107	4A 8E	32 17
C929	ВВ	33 22	98 100	5D 6D	10	D9 D10	A	280 152	2 9 20	7C 1F	32		D31	В	242	107	3D	23
C930 C931	В	33	95	5D	10	D10	Α	152	20	2A	32		D31 D31	B	242 242	107 107	3E 3E	23 23
C932	В	15	91 129	3D 5B	10	D10 D10	A	152 152	20 20	2B 2B	32 32		D31	В	242	107	3E	23
C934 C935	BB	13 26	93	4D	10	D10	Α	152	20	2C	32		L1	B	265 206	86 81	6B 5C	28 22
C936	В	29	93	4D	10	D11	A	246 246	44	1F 5C	32		L2 L3	В	28	139	2C	12
C937 C938	ВВ	31 28	100 100	5D 5D	10	D11	Â	246	44	6B	32	ll	L4	В	254	135	3B 1D	26 8
C939	В	25	100	6D	10	D11	A	246 246	44 44	6D 7A	32 32		L5 L6	B	39 281	103 96	8B	28
C940 C944	ВВ	27 66	103 107	6D 4E	10	D11 D12	Â	212	43	4C	32		L7	В	47	139	4B 5C	12 7
C945	В	24	102	6D	10	D12	Α .	212 212	43	2F 3C	33		L8 L9	ВВ	64 43	97	7C	4
C946 C947	ВВ	16 14	100	6D 8D	10	D12 D12	A	212	43	3D	33	11	L10	В	53	75	8C	4
C947	B	16	109	7D	10	D12	Α	212	43	3D	33		L11 L12	B	92 92	54 66	4D 5D	6
C949	В	146	141 138	5B 5B	17	D13 D13	A	236 236	44	2F 6A	32		L13	В	72	111	5D	8
C950 C951	B B	150 182	140	4B	18	D14	Α	243	60	3F	33	П	L14	В	29 168	91 58	4D 6B	10 19
C952	В	187	137	5B	18 27	D14 D15	A	243	60 117	7A 2D	33	Ш	L15 L16	B	207	62	5B	20
C953 C954	A B	277 203	104	7D 7B	24	D15	Â	28	117	2E	11		L17	В	171	89	6B	21
C955	В	199	117	6B	24	D15	A	28 28	117	2E 3D	11	П	L18 L19	B	204 148	86 136	5B 5B	17
C956 C957	B	167 162	113	8C 7B	23	D15 D15	Â	28	117	3E	11	П	L20	В	187	140	5B	18
C958	В	125	125	8D	13	D16	B	212	43	2A 2F	33		L21 L22	ВВ	168 128	112 125	7B 8D	23 13
C959 C964	B B	120 250	128	7D 3B	13 26	D16 D17	B	212	77	2E	31		L23	В	18	130	7B	11
C965	В	256	136	4B	26	D17	Α	230	77	3B	31		L24 L25	B	116 64	118	2C 4A	14
C966	В	265	90	6B 5B	28 28	D18 D18	A	242 242	112	4D 4D	16	П	L25 L26	B	269	140	5B	26
C967 C968	B	259 283	91	8B	28	D18	Α	242	112	4E	16		L27	В	277	114	7B 4E	27
C969	В	276	91	7B	28	D18 D18	A	242 242	112	4F 7D	16		L28 L29	B	79	21 82	2B	5
C970 C971	ВВ	119 266	124	2C 4C	14 26	D19	B	230	75	2B	34		L30	В	95	96	8C	6
C972	В	281	119	6B	27	D20	A	236	75 75	3A 3A	16		L31 L32	B	38	111	2C 2E	8
C973 C974	ВВ	266 95	140	5B 4B	13	D20 D20	A	236 236	75	3C	16		L33	В	19	109	7C	10
C975	В	119	138	5E	13	D20	Α	236	75	3C	16		L34 L35	B	44	15 20	3C	4
C976	B	121	137	6E 3B	13	D20 D21	B	236 236	75 74	8D 2C	16 34		L36	В	92	58	SD	6
C977 C978	В	87	131	3B	13	D22	В	242	89	6E	17	1	L37	В	86	117 80	6D 5C	15
C979	В	89	134	3B	13 13	D22 D22	B	242 242	89 89	2D 2D	19 19		L38 L39	ВВ	156 152	70	5D	15
C982 C983	B	91	131	4B 4B	13	D22	В	242	89	2E	19		L40	В	151	75	5C	15 15
C984	В	121	135	6D	13	D22 D23 -	B	242	89 98	2E 7E	19		L41 L52	B	147	71	5D 5E	36
D1 D1	A	48 48	137	4F 8B	12 12	D23	В	240	98	2D	21		L53	В	107	25	4E	36
D2	В	235	56	4A	31	D23	В	240 240	98	2E 2E	21 21		L54 L55	B	144 24	25 22	4E	36
D2 D2	B	235	56 56	3F 6A	33	D23 D23	B	240	98	2E	21		L56	Α	33	15	1D	4
D3	Ā	245	56	3F	33	D24	В	242	117	3D	17 17	1	L57 L58	B	82 73	97 97	3C 4C	7 7
D3 D3	A	245 245	56 56	5A 5C	33	D24 D24	B	242 242	117	3D 3D	17		L59	В	47	75	8C	4
D3	Â	69	84	6B	5	D24	В	242	117	3E	17		L60	B	67 67	62	3B 3B	5 5
D4	A	69	84	6E 2E	5 31	D24 D25	B	242 252	117	5E 3F	17 32		L61 L62	8	94	51	4D	6
D5 D5	A	274 274	41	5D	31	D25	∣в	252	17	6C	32		L63	В	50	75	8C 2D	5
D6	Α	242	97	2D	34	D26 D26	A	239	122		16		L64 L65	B	62 70	71	4A	3
D6 D7	A	199	97	3E 1E	34	D26	Â	239	122	4B	16		L66	A	110	129	5C	8
D7	Α	199	43	2E	32	D26	A		122		16		L67 L68	B		115	5C 2B	8 19
D7 D7	A	199	43	4E 4E	32	D26 D27	B		17	3F	32	:	L69	B	29	134	2B	12
D7	A	199	43	5F	32	D27	B	261	17	4C	32		L70 L71	B		113	5B 3A	24 36
D8	A	247	27 27	2D 2D	29 29	D28 D28	A		38	1E 3D	32		L71	A	17	105	7A	10
D8 D8	A	247 247	27	2E	29	D28	A	193	38	3E	32	2	L73	E	3	64	2C 8A	19 36
D8	Α	247	27	2E	29	D28	A		38	4F 5E	32		L74 L75	A		111	8D	36
D8 D9	A	247	27 29	3F 2E	29	D28 D29	A		39	2F	3	2	L76	A	247	68	6D	36
D9	Ã	280	29	7B		D29	E	236	39	7B	32	2	L77	P	154	51	5C	36
-					00000	ung. FF A	-GH2	ERW	/EITEF	RUNG		1	Sprache:		Blatt		Aei:	
\$	nr í		LIME	1.5	lenenn Designa			XTENS						de	Sh.:	6+	C.I.:	08.01
I SALJEN	UE è	× 30	HWA			0-01									<u></u>		1	
Typ: Type: S			12.	^{m:} 99		[A ha-1	hine	1GPK	1	Name:	НО		1;	Sachr <i>Part N</i>	11 a r	ዕለ ሰው	00.01	I YY

Nict	nt—	Serv	'ICE-	-Kei	evan	ite Bau	itei	ie/	Non-	-Ser					unb		
el. Kennz.		Х	Υ	Planq.	Bi.	l .	Seite	i Y	Υ	Planq.	BI.	el, Kenn	z. Seite Side	х	Y	Planq.	BI. Pg
Part L78	Side A	56	131	Sqr 3A	<i>Pg</i> 36	Part L152	Side B	90	70	Sqr 6D	<i>Pg</i> 6	Part L226	B	152	127	6C	17
L79	Â	131	48	4D	36	L153	В	100	68	6D	6	L227	В	287	113	5B	27
L80	В	38	14	2C	4	L154	В	87	84	6D	6	L228	В	160	127	7C 7B	17
L81 L82	В	40	84 110	6C 4D	8	L155 L156	B B	101 41	84 116	6D 2D	6 8	L229 L230	B	157 195	140 125	6C	17 18
L83	B A	56 81	35	3D	36	L157	В	70	111	5D	8	L231	В	158	135	7B	17
L84	A	284	129	A8	36	L158	В	65	109	5D	8	L232	В	201	128	6C	18
L85	A	59 or	135	3A	36	L159 L160	B	143 80	54 113	3B 5D	19 8	L233 L234	B	258 197	116 135	1B 6B	28 18
L86 L87	A	85 44	119 110	3B 2B	36 36	L160	В	27	63	5D	9	L235	В	136	119	2B	17
L88	Â	13	83	1C	36	L162	В	168	92	5B	21	L236	В	139	115	2B	17
L89	В	138	62	1B	19	L163	A	97	136	8E	12	L237	В	139	119 124	2B 2B	17 17
L90 L91	A	68	38 60	2D 1E	36 36	L164 L165	В	158 155	54 53	5B 4B	19 19	L238 L239	B	139	133	3B	17
L92	A	12 42	93	2C	36	L166	В	152	53	4B	19	L240	В	134	134	3B	17
L93	Α	20	93	1A	36	L167	В	148	53	4B	19	L241	В	139	144	4B	17
L94	Α	82	98	2C	36	L168	В	165	91	5B 4B	21	L242 L243	ВВ	162 166	139 128	2B 2B	18 18
L95 L96	A	135 79	126 40	5A 3D	36 36	L169 L170	B	164 162	89 87	4C	21 21	1244	В	201	136	7B	18
L97	B	78	97	4C	7	L171	В	157	90	3C	21	L245	В	208	133	8B	18
L98	В	67	75	2C	5	L172	В	151	82	1B	21	L246	В	179	143	3B	18
L99	В	60	21	4C	3	L173 L174	B B	219 218	61 52	6B 6C	20 20	L247 L248	B	177	130 125	3B 3C	18 18
L100 L101	B	39 254	68 23	7C 5E	29	L174	В	215	54	6C	20	L249	В	168	144	3C	18
L102	Α	255	27	5E	29	L176	В	175	54	8B	19	L250	В	173	139	3B	18
L103	В	40	113	3C	8 12	L177 L178	B	172 172	68 61	7C 7B	19 19	L251 L252	B	170 157	125 112	3B 5C	18 23
L104 L105	ВВ	35 31	138 137	3C	12	L178	В	175	69	8C	19	L252	В	170	118	2B	24
L106	В	33	137	3C	12	L180	В	175	61	8B	19	L254	В	176	111	3C	24
L107	В	47	140	4C	12	L181	В	176	61	8B	19	L255	B	177 174	114	3C 2C	24 24
L108 L109	B	61 29	140	7A 2B	12 12	L182 L183	B	218 157	61 107	6B 6C	20 23	L256 L257	BB	44	31	7E	4
L110	Ā	105	129	4B	36	L184	В	183	68	3C	20	L258	В	191	112	5B	24
L111	Α	181	92	5C	36	L185	В	193	66	4B	20	L259	В	198	110	5B	24
L112	A	185	136	5A	36	L186 L187	BB	193	58 53	4B 4C	20 20	L260 L261	B	34 172	128 107	4D 2C	12 24
L113 L114	A	158 206	110 110	5B 5B	36 36	L188	В	194 182	52	2B	20	L262	B	154	110	2C	23
L115	A	159	87	5B	36	L189	В	220	72	8B	20	L263	В	154	114	3C	23
L116	A	204	61	6A	36	L190	В	220	63	7B	20	L264	B	157	111	5C 2C	23 4
L117 L118	B B	91	89 94	7D 6C	6 7	L191 L192	ВВ	177 188	54 55	2B 3B	20 20	L265 L266	B	35 111	16 135	3D	13
L119	В	50	101	5C	7	L193	В	188	65	3B	20	L267	B	113	140	3D	13
L120	В	53	92	5C	7	L194	В	177	82	7C	21	L268	В	115	137	4D	13
L121	B	67	93	4C 4C	7 7	L195	B	153 156	94 92	3C 4C	21 21	L269 L270	B	116 113	139 139	4D 3D	13 13
L122 L123	8 B	85 80	100 93	4C	7	L196 L197	В	182	94	8B	21	L271	В	109	139	2D	13
L124	В	72	100	5C	7	L198	В	176	96	7B	21	L272	В	112	139	3D	13
L125	В	17	130	7B	11	L199	В	203	110	7B	24	L273	В	99	144	6B	13
L126 L127	ВВ	23 24	122	3B 2B	11	L200 L201	BB	157 296	111 120	5C 2B	23 27	L274 L275	B B	102 107	133	6B 7B	13
L128	A	17	124	5D	11	L202	B	214	119	6B	25	L276	В	100	133	5B	13
L129	Α	18	129	6D	11	L203	В	176	118	3B	24	L277	В	109	139	2D	13
L130	В	146	63	2C 4A	19	L204 L205	B	159 160	89 92	4C 4C	21 21	L278 L279	B B	102 108	128 140	5B 2D	13 13
L131 L132	B	43 146	130	2B	12 19	L205	В	153	89	3C	21	L280	В	40	27	2D	4
L133	В	146	59	2B	19	L207	В	154	92	3B	21	L281	В	257	100	3B	28
L134	В	144	57	3B	19	£208	B	152	92	3B 2B	21 21	L282 L283	B	177	58 92	2B 1B	20 22
L135 L136	ВВ	147 42	58 80	2C 7C	19	L209 L210	B	152 182	86	8C	21	1284	В	167	135	28	18
L137	В	45	71	7C	4	L211	В	155	86	2C	21	L285	В	235	139	1B	26
L138	В	50	78	7C	4	L212	B	152	88	2B	21	L286	B	242	140	2B	26
L139	B	46 53	68 80	8C 8C	4	L213 L214	B	216 199	94	7B 3B	22 22	L287 L288	B	163 199	60 63	5B 4B	19
L140 L141	В	215	61	6B	20	1215	B	189	97	2B	22	L289	В	204	96	4B	22
L142	В	218	68	6B	20	L216	В	186	96	1B	22	L290	В	154	135	6B	17
L143	В	65	60	3B	5	L217	B	209	77	5C	22	L291 L292	В	183	135 135	4B 6B	18 18
L144 L145	ВВ	59 69	47 70	4B 3B	5	L218 L219	ВВ	212	77	6C 6B	22 22	L292 L293	B	193 96	135	7B	12
L145 L146	В	85	97	8D	6	L220	В	216	103	8B	22	L294	В	111	78	2F	15
L147	В	87	60	5D	6	L221	B	157	115	5C	23	L295	B	144	141	4B	17
L148	В	96	59	5D	6	L222 L223	ВВ	156	116	4C 2B	23 17	L296 L297	B B	292	92	3B 2B	29 29
L149 L150	ВВ	87 94	63	5D 4D	6	L223 L224	B	137	115	2B	17	L297	B	247	140	2B	26
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	162	135	2B	18		L378	В	202	82	5A	22		452	B	21 19	77 14	6B 3A	4
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	49	113	2A	8 36		L380 L381	B	189 168	110	7B	23		_455 _455	В	62	68	3C	5
	91 96	130 130	3A 4A	36		L382	В	201	107	7A	24		_456	В	25	59	4D	9
	39	105	2E	111		L383	В	26	72	6B	9		_457	В	63	54	4B	5
	93	62	2E	5		L384	В	22	72	6C	9		L458	В	262	86	6A 5C	28
	93	51	8D	5		L385	В	30	107	7B	10 28		L459 L460	B	76 36	51 35	3D	4
- ;	115	78	3D	15		L386	В	285 26	97	8A 4D	9		L460 L461	В	56	18	4B	3
	117	84 85	2C 2C	15 15		L387 L388	ВВ	84	100	4C	7		L462	В	144	102	2A	23
	118 55 ·	134	5A	12		L389	В	67	100	5C	7		L463	В	150	103	2A	23
	50	134	5A	12		L390	B	154	113	3C	23		L464	В	192	49	4D	20
	59	134	6A	12		L391	В	154	113	3C	23	E	L465	В	202	55	6D	20
	55	133	5B	12		L392	В	154	110	2C	23	4	L466	В	145	105	3A 5A	23 20
В	60	132	6B	12		L393	В	154	110	2C	23		L467 L468	B B	215 167	81	6A	21
	51	132	5B	12		L394	В	153	107 91	2C 5B	23 15		L469	В	169	77	7E	21
	118	89	2C 3C	15 15		L395 L396	B	131 218	119	6B	25	R	L409 L470	В	190	78	3D	22
	119 258	79 119	1C	28		L396 L397	B	60	130	6B	12		L471	В	202	75	4A	22
. 1	258 262	100	3C	28		L398	В	49	57	7E	4	1	L472	В	195	77	3D	22
	41	15	2C	4	1	L399	В	43	60	7E	4	ł	L473	В	205	70	6D	22
	92	62	5D	6		L400	В	34	60	8E	4		L474	В	197	96	2C	22 17
В	60	35	4A	5	ı	L401	В	46	58	7E	4		L475	В	149 143	121 129	5D 5A	17
	115	109	3B	14	ļ	L402	В	21	59 69	4C 7D	9 19		L476 L477	B	188	129	6D	18
	115	90	2D	15	1	L403 L404	В	162 162	51	6A	19		L477 L478	В	179	125	3D	18
	279	138	6B 8A	26 27	١	L404 L405	В	292	139	6B	26		L479	В	158	144	3D	18
B	267 60	114	5A	5	١	L406	В	292	136	7B	26		L480	В	164	123	2C	18
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В	74	57	4C	5	١	L408	В	293	136	7B	26		L482	В	199	101	6A	24
В	60	111	4D	8	١	L409	В	295	129	7B	26		L483	В	193	104	6C	24
В	69	97	4C	7	١	L410	В	294	141	7B	26	۱	L484	В	166 171	104	7B 2E	24
В	86	112	6D	8		L411	В	295	131	7C 6D	26 36	۱	L485 L486	B	188	101	3E	24
1 1	259	43	20	29 5		L412 L413	B	254 254	88	5A	28	-	L487	В	148	104	3A	23
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1 1	141	20	4E	36		L416	Α	251	88	7D	36		L490	В	110	117	3A	14
Α	116	24	4E	36		L417	В	153	108	1C	23		L491	В	124	113	2D	14
В	44	17	3C	4	i	L418	A	136	40	4D	36		L492	В	124	99	4C 5C	15
В	44	20	3C	4		L419	В	176	51	2C 3D	20	ı	L494 L497	B	156	99	5A	15
A	168	21	1B	31		L420	ВВ	192 153	73 108	2C	23	ı	L498	В	134	100	5A	15
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B B	50 157	115	5C	23		L423	Â	288	132	7A	36		L502	В	218	132	7A	25
В	117	77	3D	15	П	L424	A	226	142	7A	36		L505	В	212	138	7A	25
В	157	115	4C	23		L425	A	298	93	7A	36		L506	В	225	97	7D	25
В	116	104	4C	14		L426	Α	166	61	6A	36		L507	B	211	102	7E 7B	25
В	51	50	7E	4		L427	В	65	80	1B 2B	5		L508 L509	ВВ	212 248	131	3A	26
A	253	16	4D 4D	29 29		L428 L429	B	73 124	79 92	4A	36		L509	В	273	129	5C	26
A B	252 102	38 94	8B	6		L430	A	187	117	5C	36	П	L511	В	299	132	6E	26
В	54	106	4C	8	1	L431	A	148	141	5C	36		L512	В	281	129	6A	2
В	79	106	3E	8	l	L432	A	112	90	4C	36		L513	В	270	106	8A	2
B	131	99	5B	15	ı	L433	A	121	76	4C	36	П	L514	В	277	105	70	2
В	168	53	6B	19		L434	A	108	140	4A	36		L515	B	292	97	BA 6A	9
8	37	140	4C			L435	В	145	102	1A	23		L516	B	20 145	60 107	3A	2
В	155	116	4C		ı	L436	B	145	104	2A 5B	23 36		L517 L518	В	145	109	4A	2
В	155	116	4C			L437 L438	A	199	83 128	6B	36		L519	B	146	107	4A	2
В	195	85 82	3C			L438 L439	Â	135	89	6B	36		L520	В	145	107	4A	2
B	199 200	91	3B			L439	B	46	136	4B	12	l	L521	В	189	110	4C	2
В	196	91	2B			L441	В	116	110	3C	14		L522	В	184	111	4C	2
В	199	94	3B			L442	B	40	33	3D	4	١	L523	В	191	118	4B	2
В	210	89	5B	22	1	L443	В	79	80	2B	5		L524	B	185	118	4B	2
В	216	113	7B	25		L444	В	68	54	40	5		L525	В	186	110	4C 4C	2
В	159	132	7C			L445	B	78	54	5C	5	1	L526	BB	182 70	110	6B	2
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el. Kennz.	Seite	х	Υ	Planq.	BI.	el. Kennz	Seite Side	х	Υ	Planq. <i>Sar</i>	Bl. Pg	1	el. Kennz. <i>Par</i> t	Seite <i>Side</i>	X	Υ	Planq.	BI. Pg
Part R520	Side A	117	124	Sqr 3E	<i>Pg</i>	Part R664	В	31	16	2C	4	t	R853	A	120	94	7D	14
R521	Â	118	124	3E	14	R672	Α	65	72	7D	5	- 1	R854	A	54 32	129 128	7D 1E	12 12
R522	Α	120	124	3E	14	R675	A	57 56	69 80	6D 6C	5		R855 R856	Â	62	44	4E	5
R523	A B	122 292	124 88	3E 2B	14 29	R676 R681	Â	82	117	2D	8		R857	Α	69	74	7C	5
1530 1531	A	164	15	2A	32	R689	В	245	83	3E	19		R858	A	123 202	124 104	2E 6A	14 24
3532	Α	166	25	2A	32	R690	В	229	85	3E 3D	19 19	- 1	R861 R866	A A	277	24	7D	31
R533	A	162	25	2B	32	R691 R692	ВВ	245 231	88 87	3D	19	- 1	R867	A	229	24	2D	33
R534 R535	A	181 196	35 35	3B 3C	32	R699	A	70	43	4F	5	١	R868	Α	215	21	2C	33
7536	Â	183	35	3D	32	R712	Α	186	95	2D	22		R869	A	224 240	60	2B 7D	33 33
3537	Α	180	35	3B	32	R722	B	244	113	5E 2D	17 18		R870 R872	B	279	140	1D	26
7538	Α	279	132	3D 2D	26 26	R725 R727	A	164 190	112	6D	24	ı	R873	A	266	112	7D	27
7539 7540	A	279 279	133	2D	26	R732	A	250	23	3D	29	1	R874	Ą	240	80	7D	34
R541	Â	279	136	2D	26	R733	Α	250	20	3D	29	-	R875	A	230 243	85 87	7A 5C	34
R542	Α	279	138	2D	26	R735	A	276 237	88 23	4B 2E	29 29	1	R876 R877	Ä	240	94	5B	34
R543	B	292	120	2C 7D	27 27	R736 R739	В	251	59	4D	30		R880	В	158	43	3C	35
R544 R545	A	258 259	110	7D	27	R740	В	254	49	4D	30		R881	В	152	43	4B	35 35
7546	A	261	110	8D	27	R741	A	262	62	5B	30		R883	B B	152	39	4B 6B	7
R547	Α	263	110	8D	27	R742	B	254 259	41 42	6B 6D	30 30		R885 R886	В	33	27	3E	4
7548	A	264 287	110	8D 5C	27 27	R744 R745	B	260	55	5D	30	. 1	R887	В	27	23	4B	4
R549 R550	ВВ	258	119	1C	28	R748	A	248	53	5B	33		R888	В	104	128	5C 4A	13 22
R551	В	262	100	3C	28	R749	B	231	49	6A 6A	33 33		R891 R892	A	206	78 77	4A 4A	22
7555	B	21	21	5C	4	R750 R751	B	231 235	53 45	6B	33		R893	Â	165	109	7B	23
R556 R557	ВВ	23	32	5C 4E	4	R752	В	233	52	6B	33	li	R894	В	38	139	4C	12
R558	В	34	30	5E	4	R753	Ä	233	56	5B	33		R895	В	51	128	4D	12
R559	В	62	53	4B	5	R754	A	248	55	5A	33		R896 R897	B	69 117	117	5B 3C	14
R562	Α	131	101	58	15	R755	A	248 158	51 45	5A 4E	33 35		R899	В	296	141	5E	26
7563 7564	A	214	113	7B	25 25	R761 R762	l A	142	36	4B	35		R900	В	271	140	5B	26
R570	B	179	108	3C	24	R764	Α	300	132	6E	26		R901	В	276	115	7B	27 19
R571	В	244	108	3D	23	R765	A	291	131	7E 8E	26 26		R902 R903	A	166	56 56	6A 6A	19
R585	A	185	35 92	2B 2F	31	R766 R767	A	294 291	128	3D	27		R914	Â	163	78	5A	21
R586 R587	B	234 231	110	3E	23	R768	Â	256	105	5D	28		R915	A	163	80	5A	21
R588	В	231	101	3F	23	R769	Α	35	139	1F	12		R916	A	164	109	7B 6A	23 24
R594	В	238	140	18	26	R775	A	62	42 13	4F 2E	5		R919 R920	A	201 137	134	5A	17
R604	B	251	57 51	4D 4D	30	R776 R777	B	71	117	3C	8	1	R921	A	137	132	5A	17
R605 R608	В	161	42	2C	35	R778	B	14	49	2C	9	۱	R924	A	199	142	4A	118
R609	В	40	97	6C	7	R780	A	116	119	2E	14	l	R925	Å	198 78	142	4A 2F	18
R610	В	44	97	6C	7	R782 R784	A	283	143	1E 7D	26 25	١	R928 R929	A	178	68	2F	20
R615	A	293 297	142	8D 8D	26 26	R785	Â	211	100	7E	25		R930	Α	195	84	2F	22
R616 R617	B	61	136	7A	12	R787	A	209	139	7A	25		R931	A	168	141	2E	18 13
R619	A	294	140	8D	26	R788	A	218	137	7A 4D	25 12	L	R934 R935	A	128	136	8C 8C	13
R621	A	255	48	2C 7D	29 8	R791 R793	B	51 86	130	4E	6		R938	A	195	111	6E	24
R624 R625	B	84 80	120	7D	8	R794	В	294	141	5E	26	l	R939	В	258	36	8B	30
R626	A	85	116	1D	8	R798	Α	115	99	6D	14	ı	R940	A	162 271	38 109	2C 7E	35 27
R628	A	168	57	1E	20	R805	A	56 23	138	8C	12	L	R946 R954	A	288	27	6B	31
R629 R630	A	187 166	97 133	1D	22 18	R808	l A	70	75	6C	5	1	R955	Α	290	32	6B	31
R631	A	192	112	5D	24	R812	A	76	60	3E	5		R956	A	25	136	2D 2B	12
R633	A	285	117	4E	27	R817	В	255	50	4E	30	İ	R958 R959	B	68 76	77 50	4D	5
R634	A	268	103	6E	28	R818	B	248 258	61	4C 7B	30	ļ	R960	Â	164	63	6A	19
R635 R636	B	149	37 128	3B 2F	35	R820	Ā		36	7C	31		R961	Α	165	81	5A	21
R636	Â	21	141	20	12	R821	A	145	42	4D	35		R962	A	139	131	5A 6B	17
R638	A	65	41	4F	5	R822	A		35	4B 7B	35 20		R963 R964	A B	167 121	111	7D	13
R639	A	69	57	3D	5	R826 R827	B	t t	67 98	7B	22		R967	В	239	58	5A	31
R644	A	122	116	3E	26	R827	B		136	7B	18		R968	A	290	33	7C	31
R648 R649	Â	273	107		27	R830	Α	53	134		12	Ĭ	R1006	À	47	84	2F 8D	14
R655	A	46	129	6D	12	R833	A		30	5D 3E	31	-	R1007 R1008	A	120 123	101 104	8D	14
R659	В		15	4B	4	R835 R836	A		19	2B	33	1	R1311	B	118	95	1C	15
R660 R661	B	•	15	5B 5B	4	R841	A		42	3D	35		R1312	В	118	95	1C	15
R662	B		13	10	4	R842	A	145	40	4C	35		R1313	В		115		8 8
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R1315 R1316	B B	270 43	90 96	6B	7	V41 V42	A	190	108	6D	24	V159		Α	123	57	5D	35
71317	В	43	99	6C	7	V42	Α	190	108	6D	24	V160		В	218	59	6B	20
71318	Α	238	18	2E	29	V43	Α	118	119	2E	14	V161		В	215	59 64	6B 8B	19
11319	В	85	118	7D	8	V43	A	118	119 104	2E 7C	14 14	V162 V163		B B	175 172	64	7B	15
R1320 R1330	B B	259 262	31 28	5C 5C	32 32	V44 V44	A	118 118	104	7C	14	V164		В	193	59	4B	20
11330	A	22	71	6B	9	V45	A	121	96	7D	14	V165		В	188	64	3B	20
1	В	14	77	7C	9	V45	Α	121	96	8D	14	V166		В	177	87	7C	2
32	В	19	140	6B	11	V46	Α	281	140	2E	26	V167	1	В	182	87	80	2
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55 6	B B	141 137	78	7D	15	V48	Â	287	116	3E	27	V174		В	192	133	6B	1
7	В	215	122	4B	25	V48	Α	287	116	4E	27	V175		В	196	133	6B	1
8	В	224	119	4E	25	V49	Α	266	109	7D	27	V176	1	В	178	133	3B	1
9	В	225	136	5C	25	V49	Α	266	109	7D	27	V177		В	173	137	3B	1
15	Α	231	30	1F	33	V50	A	291	143	5D	26	V180		A A	33 72	139 52	2D 4D	1
15	A	231	30	2C	33	V51	A B	274 244	103	7D 6E	27 17	V181 V186		A	259	55	6A	3
J5	A	231	30 25	2D 1F	33 33	V52 V53	В	183	114	4B	24	V186		Â	259	55	6C	3
J6 J6	A	211 211	25	2C	33	V54	В	173	114	2B	24	V191	-	A	285	45	2A	2
J6	Ä	211	25	2D	33	V55	A	265	100	5E	28	V192		Α	184	52	2D	2
17	В	36	20	3C	4	V55	A	265	100	5E	28	V193		A	196	93	2D	2
18	В	64	16	2D	3	V56	Α	259	103	5D	28	V194		A	161	128	2D	
19	В	63	136	2B	13	V56	A	259	103	5D	28 12	V195 V196		A A	184 248	106 58	6D 5B	3
10	В	78	44	1D	6	V57 V58	A	52 280	143	4F 2B	29	V196	İ	В	197	89	3B	2
'1 '2	B B	67 58	64 114	3B 4D	5 8	V59	B	187	114	4B	24	V198		В	199	89	3B	2
3	В	19	61	5C	9	V61	8	230	105	6D	17	X1		В	60	140	7A	1
4	В	178	58	2B	20	V62	В	21	16	4B	4	X2		В	72	118	7C	;
5	В	189	92	2B	22	V64	Α	60	144	7C	12	Х3		В	93	137	4A	1
6	В	163	135	28	18	V65	Α	58	78	6C	5	X4	- 1	В	122	78	3C	1
7	В	192	111	5B	24	V66	A	292	41	7C	31	X5		В	289	132	7A	2
/8	В	116	97	5B	14	V70	A	12	109	2D	11 1	X6		B B	293	92 38	6B 6B	2
/9	В	116	101	5B	14	V73 V74	B	54 31	126 37	5D 4D	12 4	X7 X8		В	69 225	142	7C	2
/10 /11	A	295 255	108	5€ 2D	27 28	V74 V75	В	72	50	5B	5	X9		В	14	44	2C	1
/12	Â	52	82	2E	5	V78	В	47	112	3C	8	X10		В	263	130	8D	3
/13	A	257	15	3F	32	V81	B	289	89	2B	29	X11		В	219	42	7C	3
/14	Α	212	35	2C	33	V82	В	297	140	5E	26	X12		В	93	34	2C	
/15	Α	221	23	2C	33	V83	Α	66	71	7C	5	X14	ĺ	В	299	88	3A	2
/16	Α	263	64	6A	30	V84	В	209	82	5B	22	X15		В	250	43 64	6B 4B	3
/17	A	260	46	6C	30	V85	B	214 38	82	6B 7D	22 12	X16 X17		B B	257 228	41	7B	3
/18 /19	ВВ	143	43 19	5C 4B	35 4	V86 V87	B	69	136 79	2B	5	X18	1	В	199	41	1A	3
√20	В	31	32	4E	4	V90	В	40	140	4C	12	X19		В	190	43	2B	3
V21	Ā	238	28	1D	29	V91	B	62	49	4B	5	X20		В	180	39	5B	3
/22	Α	250	27	4D	29	·V92	В	116	115	3C	14	X500		В	189	13	1D	3
V 23	Α	209	36	2D	33	V94	В	273	139	5B	26	X501		В	17	11	5B	1
V24	A	225	19	2D	33	V95	В	274	116	7B 7E	27 14	X502 X503		B B	29 55	10	1C 5D	
V25	В	112	87	1F	15 14	V104 V105	A	113	93 93	7D	14	X503		В	63	10	2D	
√26 √27	A	113 293	103	7B 3C	27	V105 V112	Â	115	66	5A	35	Z1		В	98	115	5C	
/27 /28	Â	253	105	5C	28	V113	A	123	49	5D	35	Z4		В	255	76	7D	13
/29	Α	77	84	6E	5	V114	Α	125	49	5D	35	Z5		В	251	76	7D	13
√30	Α	37	126	2E	12	V115	À	127	49	5D	35	Z6		В	119	40	3D	3
V 30	A	37	126	2E	12	V116	Å	238	92	2F	34 35	27 28		ВВ	133	23	4E 4E	
V31	A	255	20	4D	29	V119 V123	A	114	64	5A 5A	35	Z9		В	119	37	3D	
√32 √32	A	57 57	43 43	4E 4E	5	V123 V131	B	296	117	2B	27	Z10		В	98	120	3B	
V32 V33	A	232	17	3E	29	V131	В	289	113	4B	27	Z12		В	188	21	2B	1
v33 V34	lâ	49	82	1F	5	V133	B	294	113	3B	27	Z13		В	185	21	3D	
V34	A	49	82	1F	5	V134	В	257	103	3B	28	Z14		В	198	21	3A	13
V35	A	83	112	1E	8	V135	В	258	109	2B	28	Z15		В	196	21	3C	13
V35	Α	83	112	2E	8	V136	B	258	114	2B	28	Z16		В	180	21	3B 3A	
V36	A	178	56	2E	20	V137	A	22	140	2D 3E	12 5	Z17 Z18		ВВ	177 182	21	3B	
V36	A	178	56	2E	20 22	V138 V143	A	74 28	126	4E	12	Z18 Z19		B	193	21	3D	
V37 V37	A	191	94	1E 2E	22	V143 V144	Â	69	48	5F	5	Z20		В	26	83	2C	- 13
V37 V38	B	231	127	3F	16	V145	Â	120	109	2D	14	Z22		В	201	21	7E	;
v36 V39	A	22	122	5D	11	V147	Â	219	31	3C	33	Z23		В	190	21	5E	Į:
V40	Â	13	127	5E	11	V148	A	209	24	3D	33	Z24		В	128	23	4E	1
V41	A	164	130	1E	18	V149	Α	235	25	3D	33	Z25		В	88	16	3F	1
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SERVICE INSTRUCTIONS
IQ-CONVERTER MODULE
1084.9300.02

Contents

7.	Testing and Repair of the Module	
7.1	Function Description	
7.1.1	Harmonic Filter	
7.1.2	Doubler Path	
7.1.3	LO Amplifier and Level Control	. 6
7.1.4	Bypass for CW Mode	. 6
7.1.5	IQ Mode	. 6
7.1.6	Tunable Bandpass Filters	. 7
7.1.6.1	1st Filter 750 to 1800 MHz	. 8
7.1.6.2	2nd Filter 1800 to 2500 MHz	, 8
7.1.6.3	3rd Filter 2500 to 3300 MHz	. 8
7.1.6.4	RF Switch for the IQ Filters	. 8
7.1.7	Output Unit and CW Level Control	Š
7.2	Test Instruments and Utilities	. 9
7.3	Troubleshooting	g
7.3.1	Level Control Out of Tolerance	S
7.3.2	Level Error	
7.3.3	Spectral Purity of the Output Signal FIQFIL	
7.4	Testing and Adjustment	
7.4.1	Testing Data Transmission and Power Supply	12
7.4.2	Harmonic Filter Test	13
7.4.2.1	Testing the Tuning Voltages	13
7.4.2.2	Performance of the Harmonic Filter	13
7.4.3	Doubler Path Test	14
7.4.3.1	Testing the Tuning Voltages	14
7.4.3.2	Working Points of the Buffer Amplifiers	
7.4.3.3	Performance of the Doubler Path	
7.4.3.4	Level Adjustment in the Doubler Path	
7.4.4	Checking Level Control	15
7.4.4.1	Checking the Working Points of the Amplifiers in the	
Controls	15	~
7.4.4.2	Testing the Common Level Control Element	16
7.4.4.3	Testing Detector and Control Amplifier CW	
7.4.4.4	Level Adjustment CW	
7.4.4.5	Testing Detector and Control Amplifier LO	
7.4.4.6	LO Level Adjustment	18
7.4.5	Test of the Common RF Path with IQ	
7.4.5.1	Testing the Level Preset Element	18
7.4.5.2	Checking the Working Points of the Broadband	
	Amplifiers	19
7.4.5.3	Performance of the Mixer and the Broadband	
	Amplifier	19
7.4.6	Testing the IQ Filters	19
7.4.6.1	Testing the Tuning Voltages	
7.4.6.2	Working Points of the Buffer Amplifiers	20
7.4.6.3	Checking Typical RF Levels	21
7.4.6.4	Filter Calibration and Level Adjustment of the IQ	
Filters	21	
7.4.7	Tables and Interfaces	
7.4.7.1	List of Diagnostic Test Points	
7.4.7.2	Typical Graph of the Filter Tuning Voltages	
7.4.7.3	Digital Interface	
7.4.7.4	Typical RF Levels	
7.5	Removal and Assembly	
7.6	External Interfaces	27

Parts list List of coordinates Circuit diagram Components layout diagram

Function Description

IQ-Converter module (IQCON) can be operated either in the vector modulation or the CW mode. With vector modulation selected, (IQ-mode) the module converts the IQ-modulated 300-MHz input signal (X223) of the IQ modulator (IQMOD board) to the frequency range 750 to 3300 MHz. The frequencies 750 to 1500 MHz of the summing module or SMT synthesizer (input X221) are used as LO signal. These frequencies are doubled in a second path in order to obtain the required frequency spectrum of 1050 to 3000 MHz at the LO. The tunable bandpass filters from 750 to 3300 MHz are provided to filter the unwanted sideband and all other frequencies occurring with mixing. A level control element (Level Preset) in conjunction with fixed adjustments in the three filter paths are provided to compensate for the level tolerances occurring as well as for the level frequency response. The calibration data required for setting the filters are stored in an EEPROM accomodated on the board. In CW mode, the LO signal is routed via a pin diode switch and a solid-jacket cable W22 to the output amplifier. The frequency spectrum ranges from 450 to 3000 MHz. The frequencies from 3000 to 3300 MHz are obtained by mixing in the IQ path. In both operating modes, the output amplifier supplies the required output level of 4 dBm.

The module can be subdivided into the subsequent function units:

- harmonic filter
- frequency doubler and filter for the subharmonics
- LO amplifier with switch-selectable level control
- bypass for CW mode
- mixer and low-noise broadband amplifier
- tunable bandpass filters
- RF switch and output amplifier
- control and EEPROM

Harmonic Filter

(circuit diagram, sheet 2)

The tunable harmonic filter filters the harmonics of the output signal of the summing module or the SMT synthesizer in the frequency range 450 to 1500 MHz.

Eight capacity diodes V153 - V160 arranged in parallel antiserially in the two poles of the Cauer filter, are provided as tunable filter elements. The two poles of the filter are tuned via the common tuning voltage OWFIL.

The pin-diode switches V32-V37 are provided to switch over to the doubler path.

1084.9300.02

(sheets 3 and 4 of circuit diagram)
The SMD component SFD 1001 (N8) is provided as frequency doubler for generation of the frequency octave 1500 to 3000 MHz. The required input level 10 dBm of the fundamental wave (750 to 1500 MHz) is generated using the integrated GaAs-FET amplifier N17. Its working point is controlled by means of the transistor V30. Spuriae which occur with frequency doubling are suppressed to -74 dBc by a combination of two switchable highpass filters and two tunable lowpass filters. The necessary amplification of level as well as decoupling of filters is accomplished by the use of bipolar amplifiers with a gain of 7 dB, each (V148 - V150). Their current in the working point is controlled via the transistors V27, V28 and V31.

The capacity diodes V191-192, V198-201 and V180-185 are used as tuning elements of the filters. They are adjusted by means of the DC voltages TUNEVD, TUNEVD2 and VDFIL.

The different levels in the doubler path and in the harmonic filter path are adjusted using the potentiometer R694.

7.1.3 LO Amplifier and Level Control

(sheet 5 of circuit diagram)
The GaAs-Fet amplifier (V106) provides the 17-dBm level required for control of the LO input of the mixer. It can be switched off in CW mode.

The total gain of the four-stage amplifier chain is approx. 34 dB. The prestages are set up using the bipolar transistors V186 and V147 and the GaAs-Fet transistor V107. All currents are controlled in the working point. (V3-V6).

The level deviations occurring throughout the entire LO path are compensated by a control. A pin-diode modulator (V42 and V38) is used as control element for amplitude control. This modulator is controlled by the PI control amplifier N18. The rated level is provided via the potentiometer R494. The detector diode V59 allows for measuring the RF level. A similar diode (V58) is used for temperature compensation. The bandwidth of level control is approx. 5 to 100 kHz.

7.1.4 Bypass for CW Mode

(sheets 5 and 13 of circuit diagram)
After passing the LO prestages, the signal is routed via the solid-jacket cable W22 to the output stage using the two pindiodes switches V39-41 and V46-48. Since the output frequency is offset by 300 MHz in the IQ mode, the latter must provide an attenuation of approx. 70 dB to avoid that the LO frequency applied to the switch occurs as a non-harmonic spurious.

7.1.5 IQ Mode

(sheet 6 of circuit diagram)

The IQ mixer (U8) is the nucleus of the IQ converter. It generates the IQ-modulated output frequencies between 750 and 3300 MHz. Due to the high output frequencies, the mixer is operated in inverted mode. The 300-MHz signal (-11 dBm) generated by the IQ modulator is applied to the IF input of the mixer. The mixer suppresses the mixing products up to \pm 300 MHz offset from the carrier, since they are not filtered.

The lower sideband of mixing is used for output frequencies up to 1800 MHz.. Frequencies above 1800 MHz are up-converted. The upper sideband is used above 1800 MHz in order to obtain the frequency spectrum up to 3300 MHz.

The output frequencies (750 to 3300 MHz) at the RF port of the mixer are amplified by approx. 10 dB by means of the succeeding broadband amplifier (travelling-wave amplifier with transistors V100-V102). The second succeeding stage with the GaAs-Fet V109 increases the level again by approx. 11 dB. At both stages, the current in the working point is controlled via the transistors V21 and V23.

The following fixed 7th-order Cauer highpass has a cut-off frequency of 700 MHz and suppresses unwanted fixed mixing products.

Level Preset (level control element V54) is intended to be used for compensating the level frequency output of the IQ path and the temperature drift. In a calibration routine, the level is corrected within a fixed frequency stepping until the rated level of 4 dBm is reached at the output. The level detector (V61, sheet 13 of circuit diagram) is used as test point. The level control element is set via a current source with difference amplifier (signal LPRE1, V24-V26)

7.1.6 Tunable Bandpass Filters

The tunable bandpass filters filter the unwanted mixing productes of the IQ mixer >= 300 MHz from the carrier. The poles of all filters are adjusted such that optimum attenuation of the unwanted mixing products and optimum amplitude distortion in the passband (\pm 30 MHz) are obatined. In the passband, the filters provide a typical amplitude distortion of < 0.025 dB/MHz and a typical group delay of < 15 ps/MHz.

The filters are set using the three tuning voltages IQFIL1, IQFIL2 and IQFIL3. The set voltage applies only for the currently operating filter. The tuning voltage ranges from 0 to 21 V and provides 8-bit resolution. The filter setting values are obtained with board pretesting and stored in the EERPOM (D17, sheet 14 of circuit diagram).

New calibration of the filters is only required, if filter parts have to be replaced.

1084.9300.02

F-1

7.1.6.1 1st Filter 750 to 1800 MHz

(sheets 7 and 8 of circuit diagram)
The first filter mainly provides a lowpass character, since the critical frequencies are above the carrier. It contains three identical lowpass filters, which are tuned by means of the capacity diodes V166-V169, V171 -V172 and V213-V215.

A tunable highpass filter incorporated in the capacity diodes V170 and V189-V190 is located between the second and the third lowpass filter. It attenuates the spuriae below the carrier. Another highpass filter with a cut-off frequency of 700 MHz is provided at the output of this filter path in order to suppress fixed mixing products.

Buffer amplifiers (GaAs-Fet MMIC's N12-N14 and N21) provided between the filters for decoupling purposes. Gain adjustment in this filter path is accomplished via a pin-diode control element by means of the potentiometer R692. The attenuation of the latter depends on the temperature (R549) and compensates the typical level temperature response.

Three of the four buffer amplifiers are switched off by the power supply if the filter is not in operation.

7.1.6.2 2nd Filter 1800 to 2500 MHz

(sheets 9 and 10 of circuit diagram))
The second IQ filter mainly provides a highpass function, since the upper sideband of mixing is used. It consists of three identical 5th-order highpass filters the poles of which are tuned via the capacity diodes V187-V188, V164-V165, V218 and V212. A tunable lowpass filter (capacity diodes V161-V163) provides for attenuation of the mixing products above the upper sideband. A fixed, printed lowpass filter with a cut-off frequency of approx. 2600 MHz at the filter output suppresses the 2nd and 3rd-order LO mixing products.

The traveling-wave amplifier V91-V93 and the MMIC amplifiers N10, N11 and N20 are used as buffer stages between the filters. R691 is provided for level adjustment in this filter.

7.1.6.3 3rd Filter 2500 to 3300 MHz

(sheets 11 and 12 of circuit diagram) Filter 3 is set up similar to filter 2. The three highpass filters are tuned by the capacity diodes V173-V176 and V216-V217. The tunable lowpass filter is located at the filter output and is adjusted via the diodes V177-V179. It is decoupled via the amplifiers V94-V96, N15-N16 and N22.

7.1.6.4 RF Switch for the IQ Filters

(sheets 6 and 13 of circuit diagram)
Pin-diode switches are provided (V19, V22 and V202 at the filter input and V49-V53 at the filter output).
The current required for biased operation of the diodes is supplied by the operational amplifers N4 and N5 (signals IQCH1, IOCH2 and IQCH3).

7.1.7 Output Unit and CW Level Control

(sheet 13 of circuit diagram)

The required 4-dBm output level is generated by the two amplifier stages N23 and V108, the MMIC amplifier N23 being provided in the IQ path, only.

The selector switch for selection between IQ or CW mode (pin diode switch V46-V48) is accommodated between the amplifiers. In CW mode, the level detector (V61) following the final amplifier controls the output level which must assume a fixed value. N19-1 is used as difference amplifier which amplifies the detected RF voltage, N19-2 functions as PI control amplifier. The pin-diode modulator of the LO level control works as level control element (cf. 7.1.3). The rated output level is set using the potentiometer R495. The two paths can be switched over via the integrated switch

In IQ mode, the level detector V61 is used for level-preset calibration (cf. 7.1.5).

7.2 Test Instruments and Utilties

- Power supply (e.g., NGT35)
- Rf spectrum analyzer up to 5 GHz (e.g., FSEB, FSB)
- DC voltmeter, ammeter (UDS5)

7.3 Troubleshooting

The test program contained in the service kit provides versatile diagnosis facilities which is why it is just as well suited for error diagnosis. The rated values and the typical values of the filter tuning voltages, which are measured via the diagnosis while troubleshooting can be looked up under 7.4.7.1 and 7.4.7.2. Prior to troubleshooting, check, whether the respective data have been transferred correctly (7.4.7.3) and whether the important reference and control voltages (7.4.1) are provided.

7.3.1 Level Control out of Tolerance

Error message "IQCON ALC LOOP FAILURE"

First check, which operating mode and which frequencies are effected by the level control failure

only for frequencies from 450 to 1500 MHz in CW mode and 750 to 1200 MHz with vector modulation

Error with harmonic filter, check diagnostic points 2003 and 2011, harmonic filter test acc. to 7.4.

Error with RF switch; check whether pin diodes V32, V33 and V35, V37 are forward biased (CH2ON: -12 V, CH1ON: -12 V)

only for frequencies 0.3 to 450 MHz, 1500 to 3300 MHz in CW mode diagnoses 2004 and 2012, perform and 0.3 to 750 MHz, 1200 to 3300 MHz with vector modulation

Error in the doubler path; check doubler path test acc. to 7.4.3

Error with RF switch; check whether pin diodes V32, V34 and V36, V37 are forward biased (CH2ON: 12 V, CH1ON: -12 V)

Error with level control element V55; measure voltage drop at R534, typ. 0.2 to 4 V

Error in the RF path (7.4.7.4)

in CW mode, only, with all frequencies

Check detector and control amplifier CW acc. to 7.4.4.3; perform level adjustment CW acc. to 7.4.4.4

Error with RF switch; check whether pin V39, V41 and V46, V48 are forward biased (LO-ON: -12 V, IOOFF: 12 V)

with vector modulation, only, all frequencies

Check working point LO amplifier V106 with vector modulation switched on (7.4.4.1)

Check detector and control amplifier LO acc. to 7.4.4.5, perform level adjustment LO acc. to 7.4.4.6

Error with RF switch; check whether pin diodes V39 and V40 are forward biased (LO-ON: 12 V)

in both operating modes, all frequencies

Check RF level at the output harmonic filter or doubler path via diagnosis 2011 and 2012; if no level is provided, the error is located in the harmonic filter or in the doubler path: see above for troubleshooting H

Check working points of the RF amplifiers in the control (7.4.4.1) and common level control (7.4.4.2)

Check switch D3 for control switchover

7.3.2 Level Error

Level out of tolerance with CW

Perform level adjustment acc. to 7.4.4.4

Level out of tolerance with vector modulation

Perform level-preset calibration

Error with level-preset calibration

Check diagnosis 2015 in CW mode, perform level adjustment CW acc. to 7.4.4.4, if required; make sure that the diagnosis works correctly

Check the common RF path with vector modulation; perform tests 7.4.5.1 - 7.4.5.3 successively, note instructions to 7.4.5

depending on which frequency the level-preset calibration is interrupted at, the error is located in one of the tunable IQ filters, perform test 7.4.6 for the corresponding filter

Check whether the pin diodes in the RF switches preceding and following the IQ filters are forward biased; check control voltages to ±12 V: IQCH1, IQ1IN, IQCH2, IQ2IN, IQCH3 and IQ3IN

Error in the RF path (7.4.7.4)

7.3.3 Spectral Purity of the Output Signal FIQFIL

bad harmonics spectrum with CW

Harmonic filter test acc. to 7.4.2 for frequencies from 450 to 1500 MHz

Test of doubler path acc. to 7.4.3 for frequencies > 1500 MHz

Check working points of the RF amplifiers in the CW level control (7.4.4.1)

bad harmonic spectrum with vector modulation

Perform level-preset calibration

Measure working points of the broadband amplifiers (7.4.5.2)

Check working points of the buffer amplifiers in the IQ filters depending on the frequency range (7.4.6.2)

Subharmonic spuriae for frequencies from 1500 to 3000 MHz in CW mode

Perform test of the filter tuning voltages in the doubler path acc. to 7.4.3.1

Error with RF switch, check whether pin diodes V32, V33 or V35, V37 are reverse biasing, check switching voltages (CH2ON: 12 V. CH1ON: -12 V)

Nonharmonic spuriae with vector modulation at \pm 300 MHz or \pm 600 acc. to 7.4.6.1 MHz from the carrier

Check filter tuning voltages

Nonharmonic spurious with 600 MHz

Perform level-preset calibration

Check working points of the amplifiers in the RF path (7.4.5.2 and 7.4.6.2)

Testing and Adjustment 7.4

All measured values given without tolerances are recommended values. Voltages given without further information mean DC voltages.

The service kit contains an adaptor to make the module accessible. The adaptor is plugged into the chassis instead of the module and the RF connections at X221 and X223 are connected. A measurement cable is connected to the RF output X227. Then, the module can be plugged into the adaptor.

Prior to each test, a PRESET on the instrument causes the module to assume a defined state. If no further information is given with frequency settings, CW operation is assumed.

Tests in IQ mode (VECTOR MOD:STATE ON) require a voltage of 0.5 \pm 0.01 V to be applied to the front unit.

E-1 12 1084 9300 02

7.4.1 Testing Data Transmission and Power Supply

(cf. sheets 14-17 of circuit diagram)
According to the instrument standard, the IQCON module is controlled via a serial interface using the SERBUS-D component. Data for setting the module are transmitted via subaddress 1. The second subaddress is provided for data traffic with the EEPROM, which contains the complete calibration data for filter control. The MSB is first transmitted for board setting and is applied at Q8 (pin 11) of the corresponding latch. Settings and associated data are given in Section 7.4.7.3.

The power consumption of the module can be checked by looping in an ammeter instead of the coils L3, L4, L5, L304 and L305 (7.6). The most important reference and supply voltages are checked using a DC voltmeter.

Test point	Type of voltage	Voltage [V]
P9	Reference for all regulated voltages	10 ± 0.02
P10	Reference voltage for generation of the filter tuning voltages	10 ± 0.02
P11	Reference voltage for working point and level controls	-10 ± 0.02
P7	Regulated supply voltage for RF amplifier	4.54 ± 0.1
P12	Regulated supply voltage for RF amplifier and reference voltage	6.65 ± 0.1

7.4.2 Harmonic Filter Test

Prior to checking the RF response of the harmonic filter (7.4.2.2), it is advisable to check the filter tuning voltages acc. to 7.4.2.1 or the transmitted data acc. to 7.4.7.3.

7.4.2.1 Testing the Tuning Voltages

(cf. sheet 2 of circuit diagram)

> Set frequencies acc. to the table below and measure tuning voltages using a DC voltmeter.

Setting	Voltage OWFIL [V]	Voltage at C15 [V]
FREQ 450.1 MHz	0.4 to 2.5	0.3 to 2
FREQ 1500 MHz	21 ± 0.3	16.1 ± 0.3

7.4.2.2 Performance of the Harmonic Filter

(cf. sheets 2 and 5 of circuit diagram)
The performance of the harmonic filter with the lower and upper cut-off frequency is measured. A current of 0.2 mA is applied to P4 (remove jumper P4-5) to measure with defined load.

• Connect spectrum analyzer with appropriate RF connectors to the test connector X2

F-1

Settings: FREQ 450.1 MHZ

- ▶ Measure RF level of fundamental: -23 ± 4 dBm
- Measure RF level of 1st harmonic 900.2 MHz: typ. < -50 dBc
- ▶ Measure RF level of 2nd harmonic 1350.3 MHz: typ. < -40 dBc
- Settings:

RF 1100 MHZ

- ➤ Measure RF level of fundamental: -23 ± 5 dBm
- Measure RF level of 1st harmonic 2200 MHz: typ. < -40 dBc
- > Measure RF level of 2nd harmonic 3300 MHz: typ. < -40 dBc

Doubler Path Test 7.4.3

Prior to testing the RF response of the doubler filters (7.4.3.3) it is advisable to check the transmitted data acc. to 7.4.7.3, the filter tuning voltages acc. to 7.4.3.1 and the working points of the individual amplifiers acc. to 7.4.3.2.

Testing the Tuning Voltages 7.4.3.1

(cf. circuit diagram 3 and 4)

> Set frequencies acc. to table and measure tuning voltages using a DC voltmeter

Setting	Voltage VDFIL [V]	Voltage VDTUNE [V]	Voltage VDTUNE2 [V]
FREQ 1500.1 MHz	0.15 to 2.5	0.37	0.25
FREQ 2000 MHz	4.5 to 7.5	8.05	5.54
FREQ 3000 MHz	21 ± 0.3	15.9	10.9

Working Points of the Buffer Amplifiers 7.4.3.2

(cf. sheets 3 and 4 of circuit diagram)

> Check typical DC voltages acc. to the table below using a voltmeter

Amplifier	Test point	Rated value[V]
N17	Test pad Q22	3.6 ± 0.1
	UGATE-D1	-1 to 0.5
V149	Test pad Q23	3.7 ± 0.1
	UBASIS-D2	2.4
V148	Test pad Q24	3.7 ± 0.1
	UBASIS-D3	2.4
V150	Test pad Q25	3.7 ± 0.1
	UBASIS-D4	2.4

Performance of the Doubler Path 7.4.3.3

(cf. sheets 2-4 of circuit diagram) The transmission function of the frequency doubler and of the tunable doubler filter is checked. A current of 0.2 mA is applied to P4 (remove jumper P4-5) to measure with defined load.

The two chambers C and D must be covered by an appropriate metal strip to enable measuring of the respective filter attenuation.

- Connect spectrum analyzer with appropriate RF connectors to test connector X2
- Settings: FREO 1500.1 MHZ
- ▶ Measure RF level of output frequency 1500.1 MHz: -22 ± 5 dBm
- Measure RF level of 1st subharmonic 750.05 MHz: < -74 dBc
 Measure RF level of 3rd subharmonic 2250.15 MHz: < -74 dBc</pre>
- Settings: FREQ 2000 MHZ
- \blacktriangleright Measure RF level of output frequency 2000.1 MHz : -22 \pm 6 dBm
- Measure RF level of 1st subharmonic 1000 MHz: < -74 dBc
- ▶ Measure RF level of 3rd subharmonic 3000 MHz: < -74 dBc
- Settings: FREQ 3000 MHZ
- ▶ Measure RF level of output frequency 3000.1 MHz: -22 ± 6 dBm
- Measure RF level of 1st subharmonic 1500 MHz: < -74 dBc
- Measure RF level of 3rd subharmonic 4500 MHz: < -74 dBc

Level Adjustment in the Doubler Path 7.4.3.4

(cf. sheet 3 of circuit diagram) This level adjustment is intended to adjust the levels in the harmonic path to those in the doubler path. The level control is assumed to work correctly. The board output X227 must be terminated with 50 Ohms..

Settings:

FREQ 1300 MHZ UTILITIES: DIAG: TPOINT: STATE ON TEST POINT 2013

- > Read off and note diagnosis voltage
- Settings:

FREQ 2000 MHZ

Adjust diagnosis voltage to noted value using R694

7.4.4 Checking Level Control

Checking the Working Points of the Amplifiers in the 7.4.4.1 Controls

(cf. sheets 5 and 13 of circuit diagram)

Check typical DC voltages acc. to the table below using a voltmeter

Amplifier	Test point	Rated valueV]	Note/Setting
V186	Test pad Q1	4.45 ± 0.1	Control of CW and LO
	UBASIS-E1	2.3.	
V147	Test pad Q2	4.45 ± 0.1	Control of CW and LO
	UBASIS-E2	2.5	

Amplifier	Test point	Rated value[V]	Note/Setting
V107	Test pad Q3	6 ± 0.2	Control of CW and LO
	UGATE-E1	-1.2 to -0.2	
V106	Test pad Q4	7.4 ± 0.3	only LO control VECTOR MOD:STATE ON
	UGATE-E2	-1.2 to -0.2	
V108	Test pad Q17	7.45 ± 0.3	only CW control
	UGATE-K2	-1.2 to -0.1	

7.4.4.2 Testing the Common Level Control Element

(cf. sheets 5 and 13 of circuit diagram)
The level control element (V42 and V38) is either controlled by the control amplifier of the LO control or by the control amplifier of CW control. The level control range of the control element is typical > 20 dB.
Simultaneously, all amplifiers including the one at the module output are measured. Testing is performed in CW mode.

- Connect spectrum analyzer to X227.
- Remove jumper P4-5 and connect current source to P4.
- Settings:

FREQ 1000 MHZ

▶ Apply current from 0 to 10 mA and measure level with 1000 MHz at the module output. Maximum level: > 7 dBm, minimum level < -10 dBm</p>

7.4.4.3 Testing Detector and Control Amplifier CW

(cf. sheet 13 of circuit diagram)
First check, whether the detector diodes V61 and V60 are forward biased correctly. Subsequently, check correct functioning of the detector and the integrator.
Following this test, a level adjustment has to be performed acc. to 7.4.4.4.

- Remove jumper P4-5.
- Connect current source to P4, current 0 mA
- Connect spectrum analyzer to X227
- Settings:

FREQ 1000 MHZ

- > Check whether the two diodes V61 and V60 are forward biased correctly using a DC voltmeter. The forward voltage is approx. 200 mV. The voltage potential at the cathode of the two diodes is approx. -0.2 V.
- Settings:

UTILITIES:DIAG:TPOINT: STATE ON TEST POINT 2015

- ▶ Measure output voltage of summing amplifier N19-1 via diagnostic point 2015: < 50 mV</p>
- Settings:

TEST POINT 2013

▶ Measure output voltage of integrator N19-2 via diagnostic point 2013: > 12 V

- > Turn potentiometer R495 fully clockwise
- Slowly increase current at P4 until RF level at X227 is approx. 4 dBm
- Settings: TEST POINT 2015
- Measure output voltage of summing amplifier N19-1 via diagnostic point 2015: approx. 220 mV
- Settings: TEST POINT 2013
- ▶ Measure output voltage of integrator N19-2 via diagnostic point 2013: < 0 V</p>

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7.4.4.4 Level Adjustment CW

(cf. sheets 5 and 13 of circuit diagram)
The level is adjusted with closed control loop. The reference value of control is set via R495. Jumper P4-5 is fitted.

- Connect spectrum analyzer to X227
- Settings: FREQ 1300 MHZ
- Adjust level to the rated value of 4 ± 0.2 dBm using R495
- There must not occur any noise peaks or secondary lines close to the carrier (± 1 MHz)

7.4.4.5 Testing Detector and Control Amplifier LO

(cf. sheet 5 of circuit diagram)

First check, whether the detector diodes V59 and V58 are forward biased correctly. Subsequently, check correct functioning of the detector and the integrator.

Following this test, a level adjustment has to be performed acc. to 7.4.4.6.

- Remove jumper P4-5.
- Connect current source to P4, current 0 mA
- Connect spectrum analyzer with appropriate connectors to test connector X4
- Settings: FREQ 1000 MHZ

 VECTOR MOD:STATE ON
- ▶ Check, whether the detector diodes V59 and V58 are forward biased correctly using a DC voltmeter. The forward voltage is approx. 200 mV. The voltage potential at the cathode is approx. -0.2 V.
- Settings: UTILITIES:DIAG:TPOINT: STATE ON TEST POINT 2013
- Measure output voltage of integrator N18-2 via diagnostic point 2013: > 12 V
- > Turn potentiometer R494 fully clockwise

- Slowly increase current at P4 until RF level at X227 is approx. -8 dBm with 1300 MHz
- ▶ Measure output voltage of integrator N18-2 via diagnostic point 2013: < 0 V</p>

7.4.4.6 LO Level Adjustment

(cf. sheet 5 of circuit diagram)
The level is adjusted with closed control loop. The reference value of control is set via R494. Jumper P4-5 is fitted.

- Connect spectrum analyzer with appropriate connectors to X4
- Settings: FREQ 1000 MHZ VECTOR MOD:STATE ON
- ➤ Adjust level with 1300 MHz to the rated value of -8 ± 0.2 dBm using R494
- > There must not occur any noise peaks or secondary lines close to the carrier (± 1 MHz

7.4.5 Test of the Common RF Path with IQ

For checking the RF path between the mixer and the tunable bandpass filters, it is required that the mixer is correctly controlled at its LO and IF inputs.

For checking the LO input with vector modulation switched on, the control voltage can be checked via diagnosis 2013 (7.4.7.1). A 0.5-V DC voltage must be applied to the I or Q input on the front panel to enable generation of the required IF level. The 300-MHz signal can be measured at the output X242 of the IQ modulator.

7.4.5.1 Testing the Level Preset Element

(cf. sheets 6 and 15 of circuit diagram)
The Level-Preset element is controlled via a difference amplifier with current source. The required difference voltage is set via an 8-bit D/A converter (U5).

First, measure the current supplied by the current source and the reference voltage of the difference amplifier.

- > Check current by measuring the voltage drop via R70 using a DC voltmeter. The current should be 2 mA. The voltage potential at the base of V25 (pin2) is 3.5 V.
- the base of V25 (pin2) is 3.5 V.

 Setting: FREQ 1000 MHZ

VECTOR MOD:STATE ON
UTILITIES:DIAG:TPOINT: STATE ON
TEST POINT 2002

The diagnostic voltage should be between 2.7 V and 2.9 V. Die Diagnosespannung sollte zwischen 2.7 und 2.9 V liegen. The resulting current is used for control of the level preset element. It is typical 100 to 400 μA and can be measured as voltage drop via R537 using a DC voltmeter.

1084 9300 02 18 E-1

7.4.5.2 Checking the Working Points of the Broadband Amplifiers

(cf. sheets 6 and 13 of circuit diagram)

Check typical DC voltages acc. to the table below using a voltmeter

Amplifier	Test point	Rated value
V100-102	Test pad Q20	4.5 ± 0.1
	UGATE-F1	-0.5 to 0
V109	Test pad Q21	5.6 ± 0.2
	UGATE-F3	-1.5 to -0.3
N23	Pin 3	5 ± 0.5

7.4.5.3 Performance of the Mixer and the Broadbad Amplifier

(cf. sheet 6 of circuit diagram)
Correct functioning of the mixer, the two-stage amplifier and the level preset element are checked.

- Connect spectrum analyzer with appropriate connectors to test connector X3
- Settings:

VECTOR MOD: STATE ON

> Set frequencies acc. to table and measure typical levels at the given frequencies using a spectrum analyzer

Frequency setting [MHz]	Measurement frequency[MHz]	Typical level [dBm]
751	751	-30
	600	< -85
	900	< -100
	1051	< -30
2000	2000	-32
	1700	< -30
3300	3300	-34
	3000	< -25

7.4.6 Testing the IQ Filters

A network analyzer is required to measure exact transmission performance of the tunable IQ filters. For a rough check of correct function, therefore, connectors are provided at the filters which allow for measuring typicl levels of the wanted sidebands.

It is advisable, however, to first check the working points and control voltages in the filters.

7.4.6.1 Testing the Tuning Voltages

(cf. sheets 7-12 of circuit diagram)

• Settings:

VECTOR MOD: STATE ON

> Set frequencies acc. to table below and measure tuning voltages directly at the filters using a DC voltmeter

Setting	Voltage IQFIL1 [V]	Voltage [QFIL2 [V]	Voltage IQFIL3 [V]
FREQ 751 MHz	1.2 to 3	1.2 to 3	0.1 to 1.8
FREQ 1800 MHz	10 to 14	13 to 17	13.5 to 18.5
FREQ 1801 MHz	0.2 to 2.5	4.5 to 7	0.4 to 2.4
FREQ 2500 MHz	14 to 21	13 to 19	11 to 16
FREQ 2501 MHz	4.2 to 7.4	3.5 to 6.5	1.2 to 3.5
FREQ 3300 MHz	13 to 18.5	14 to 19.5	11 to 16

7.4.6.2 Working Points of the Buffer Amplifiers

(cf. sheets 7-12 of circuit diagram)
Since some of the amplifiers are switched off, if the respective
filters are not used, a frequency setting is required for checking
their working points.

• Settings:

VECTOR MOD: STATE ON

> Set corresponding RF frequency and measure typical DC voltages acc. to table using a voltmeter

Setting	Amplifier	Test point	Rated value [V]
FREQ 1000 MHz	· · · · · · · · · · · · · · · · · · ·	Test pad Q9	3.55 ± 0.1
		UGATE-G1	-1.5 to 0.2
	N13	Test pad Q10	3.55 ± 0.1
		UGATE-G2	-1.5 to 0.2
	N21	Test pad Q11	3.55 ± 0.1
		UGATE-G3	-1.5 to 0.2
	N14	Test pad Q12	3.55 ± 0.1
		UGATE-G4	-1.5 to 0.2
FREQ 2000 MHz	V91-V93	Test pad Q5	3.95 ± 0.1
		UGATE-H1	-0.5 to 0
	N10	Test pad Q6	3.55 ± 0.1
		UGATE-H2	-1.5 to 0.2
	N20	Test pad Q7	3.55 ± 0.1
		UGATE-H3	-1.5 to 0.2
	N11	Test pad Q8	3.55 ± 0.1
		UGATE-H4	-1.5 to 0.2
FREQ 3000 MHz	V94-V96	Test pad Q13	3.95 ± 0.1
		UGATE-I1	-0.5 to 0
	N15	Test pad Q14	3.55 ± 0.1
		UGATE-I2	-1.5 to 0.2
	N22	Test pad Q15	3.55 ± 0.1
		UGATE-I3	-1.5 to 0.2
	N16	Test pad Q16	3.55 ± 0.1
		UGATE-14	-1.5 to 0.2

7.4.6.3 Checking Typical RF Levels

(cf. sheets 6-13 of circuit diagram)

- Connect spectrum analyzer with appropriate connectors to test connectors X6, X5 or X7
- Settings:

VECTOR MOD: STATE ON

Set frequencies acc. to table and measure typical levels using a spectrum analyzer

Frequency setting[MHz]	Test connector	Typical level [dBm]
751	X6	-33
	X1	-40
1800	X6	-31
	X1	-34
1801	X5	-31
	X1	-35
2500	X5	-25
	X1	-34
2501	х7	-30
	x1	-35
3300	X7	-26
	X1	-33

7.4.6.4 Filter Calibration and Level Adjustment of the IQ Filters

New filter calibration can only be performed in the factory Memmingen (Board Pretest). This is, however, only required, after replacing either capacity diodes in the IQ filters or the EEPROM containing the calibration data.

Each new calibration must be followed by a level adjustment of the filters. For this purpose, the potentiometers R691-R693 are provided, which allow for adjusting the levels of the three filters to each other. They must not be varied in normal operation.

7.4.7 Tables and Interfaces

7.4.7.1 List of Diagnostic Test Points

(cf. sheet 14 of circuit diagram)

Two diagnosis multiplexers (D13, D14) are provided for monitoring the important control voltages and RF levels.

The potential of the module ground can be measured in order to compensate for offset voltages (diagnosis 2000)

Diagnosis multiplexer 1:

Diagnostic point	Specified range [V]	Remark/Setting
2000	-0.01 to 0.01	Reference 10 kOhm
2001	-9.9 to 10.1	-10V reference voltage, REF-10
2002	2.55 to 4.45	Level-preset voltage, LPRE1
2003	0 to 21	Tuning voltage harmonic filter,OWFIL

Diagnostic point	Specified range[V]	Remark/Setting
2004	0 to 21	Tuning voltage doubler filter lowpass, VDFIL
2005	0 to 21	Tuning voltage IQ filter, sideband, IQFIL1
2006	0 to 21	Tuning voltage IQ filter, LO frequency, IQFIL2
2007	0 to 21	Tuning voltage IQ filter, LO ± 2*IF, IQFIL3

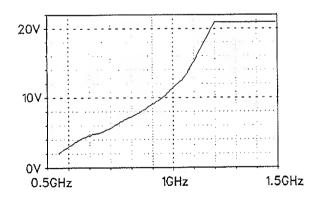
Diagnosis multiplexer 2:

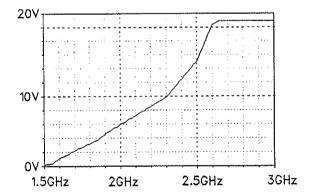
Diagnostic point	Specified range [V]	Remark/Setting
2008	4.44 to 4.64	Reference voltage 4.54 V, REF4
2009	6.55 to 6.75	Reference voltage 6.55 V, REF6
2010	9.9 to 10.1	Reference voltage 10 V, REF10
2011	0.02 to 0.1	RF level output harmonic filter
		450 to 1500 MHz, CW
		750 to 1200 MHz, vector modulation
2012	0.02 to 0.1	RF level output doubler path
		0.3 to 450 MHz, 1500 to 3300 MHz, CW
	nd ex-	0.3 to 750 MHz, 1200 to 3300 MHz, vector
		mod.
2013	2.4 to 10	Control voltage level control, interrupt
		Level control CW level, CW
		Level control LO level, vector modulation
2014	0.1 to 0.6	RF level input IQ filter
		0.5 V at I or Q input, vector modulation
2015	0.13 to 0.37	RF level module output FIQFIL
		constant with CW mode

7.4.7.2 Typical Characteristic of the Filter Tuning Voltages

Diagnosis 2003:

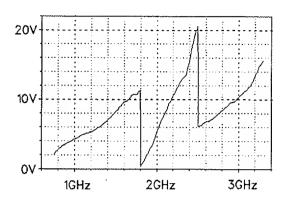
Diagnosis 2004:

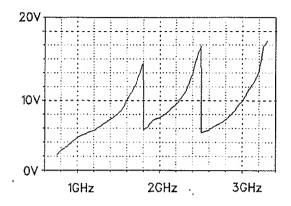




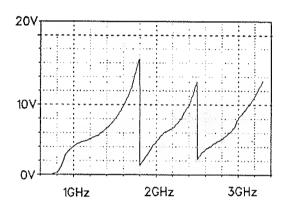
Diagnosis 2005:

Diagnosis 2006:





Diagnosis 2007:



7.4.7.3 Digital Interface

(cf. sheets 14 + 15 of circuit diagram)

The IQCON module is set via a serial interface using the SERBUS-D component, according to the instrument standard. The data for the serial shift registers for the HC4094-Latches are strobed by strobe 1 (SERWR1).

The second subaddress is provided for communication with the onboard EEPROM. The latter contains the tuning values for all tunable filters obtained with filter calibration. The data format corresponds to the R&S standard. External access to the filters is not possible which is why they are not mentioned.

Latch	CJĄT JVZ	Name	Function	
	11	Lpre1_7	Setting for level preset with	MSB
	12	Lprel_6	vector modulation	
	13	Lpre1_5	Range from 0 to 255	
D11	14	Lpre1_4	corresponds to current of 0 to	:
	7	Lpre1_3	2 mA through level preset	
	6	Lpre1_2	element	
	5	Lpre1_1		
	4	Lpre1_0		LSB
	11	Igfil3_7	Tuning voltage for IQ filters	MSB
	12	Igfil3_6	in three ranges, for filtering	
	13	Iqfil3_5	of 1*LO ± 2*RF	1
D10	14	Iqfil3_4	750 to 3300 MHz	
	7	Igfil3_3	Range from 0 to 255	
	6	Igfil3_2	corresponds to tuning voltage	
	5	Iqfil3_1	from 0 to 21 V	
	4	Iqfil3_0		LSB
	11	Igfil2_7	Tuning voltage for IQ filters	MSB
	12	Iqfil2_6	in three ranges, for filtering	
	13	Igfil2_5	of 1*LO	İ
D9	14	Igfil2_4	750 to 3300 MHz	
	7	Igfil2_3	Range from 0 to 255	
	6	Igfil2_2	corresponds to tuning voltage	
	5	Igfil2_1	from 0 to 21 V	
	4	Iqfil2_0		LSB
	11	Iqfil1_7	Tuning voltage for IQ filters	MSB
	12	Iqfil1_6	in three ranges, for filtering	
ĺ	13	Iqfil1_5	of second sideband 1*LO ± 1*RF	
D8	14	Iqfil1_4	750 to 3300 MHz	
	7	Igfil1_3	Range from 0 to 255	
	6	Igfil1_2	corresponds to tuning voltage	
	5	Iqfil1_1	from 0 to 21 V	
	4	Iqfil1_0		LSB
	11	Vdfil_7	Tuning voltage for lowpass of	MSB
	12	Vdfil_6	the subharmonic filter in the	
	13	Vdfil_5	doubler path	
D7	14	Vdfil_4	1500 to 3000 MHz	
1	7	Vdfil_3	Range from 0 to 255	
	6	Vdfil_2	corresponds to tuning voltage	
	5	Vdfil_1	from 0 to 21 V	
[4	Vdfil_0		LSB
	11	Owfil_7	Tuning voltage for harmonic	MSB
	12	Owfil_6	filter	
	13	Owfil_5	450 to 1500 MHz	
D12	14	Owfil_4	Range from 0 to 255	
	7	Owfil_3	corresponds to tuning voltage	
	6	Owfil_2	from 0 to 21 V	
	5	Owfil_1		
	4	Owfil_0		LSB

Latch		Remark	Function		Mariano in
	11	Fil3	Switching bit for IQ filter 3	0=ON	1=OFF
			2500 to 3300 MHz		
	12	Fil2	Switching bit for IQ filter 2	0=ON	1=OFF
			1800 to 2500 MHz		
	13	Fil1	Switching bit for IQ filter 1	0=0N	1=OFF
			750 to 1800 MHz		
D6	14	Fg2	Switchover bits for highpass		MSB
	7	Fg1	filters in the doubler path		LSB
			0=2300 to 3000 MHz		
			1=1500 to 1850 MHz		
			2=1850 to 2300 MHz		
	6	F1_F2	Switchover bit harmonic	0=F1	1=F2
	_	T	filter(F1)/doubler path(F2)		
	5	IQ_CW	Switchover bit IQ/CW mode	0=IQ	1=CW
	4	RefHiLo	Switchover bit for level	0=FO	1=CW
	4.4		control		
	11	_			
	12 13	_			
D4	14	- -			
D4	14	Diagena2	Diagnois multiplexer 2	0=OFF	1=0N
	7	Diagenal	Diagnostic points 2008 to 2015		
	'	Dragenar	Diagnosis multiplexer 1	0=OFF	1=ON
	6	Dmux2	Diagnostic points 2000 to 2007		
	5	Dmux1	Diagnosis multiplexer		MSB
	4	Dmux0	0 to 7		
		DRUAG			LSB

7.4.7.4 Typical RF Levels

Conditional testing of the RF paths is possible only by connecting an RF probe to the spectrum analyzer. Make sure to have a short ground connection at low impedance. The series impedance of the probe should amount to 1 kOhm. The indicated values are typical values. The measurements are performed at lowest possible frequencies. The measurements are taken subsequent to the coupling capacitor of the indicated amplifier stage.

Frequency setting, mode	Test point	Typical RF level [dBm]
1501 MHz, CW	Doubler input, pin 1 N8 measure with 750.5 MHz	13
1501 MHz, CW	Output 1st amplifier doubler path, V149	7
1501 MHz, CW	Output 2nd amplifier doubler path, V148	-1
500 MHz, CW	Output 1st amplifier LO driver, V186	-11
500 MHz, CW	Output 2nd amplifier LO driver, V147	-5
500 MHz, CW	Output 3rd amplifier LO driver, V107	7
751 MHz, Vector modulation	Output 1st amplifier broadband amplifier, V100-V102	-5
751 MHz, Vector modulation	Output highpass filter following 2nd amplifier broadband amplifier (V109), C469	6
751 MHz, Vector modulation	Output 1st amplifier IQ filter1,	-4

	N12	anis van soonsa alanon na azos na coza
Set frequency, mode	Test point	Typical RF level [dBm]
751 MHz, Vector modulation	Output 3rd amplifier IQ filter1, N21	-10
1801 MHz, Vector modulation	Output 1st amplifier IQ filter2, V91-V93	-5
1801 MHz, Vector modulation	Output 3rd amplifier IQ filter2, N20	_9
2501 MHz, Vector modulation	Output 1st amplifier IQ filter3, N12	-7
2501 MHz, Vector	Output 3rd amplifier IQ filter3, N22	-12
500 MHz, CW	Input of output stage V108	-7

7.5 Removal and Assembly

After opening the instrument, unlocking the board and disconnecting the RF connections X221, X223 ad X227, the module can be removed from its slot. The screening covers of the board are screwed in the conventional way.

Pin	Name	Input/Outpu	Origin/Destina tion	Specified range	Signal description
Xfff.A12	SERBUS-CLK	Input	A3, FRO, X31.40	HCT level	Serbus clock
Xfff.A14	SERBUS-OUT	Output	A3, FRO, X31.39	HCT level	Serbus data
Xfff.A15	SERBUS-IN	Input	A3, FRO, X31.39	HCT level	Serbus data
Xfff.A16	SERBUS-SYNC	Input	A3, FRO, X31.37	HCT level	Serbus sync
X220.A17	SERBUS-INT	Output	A3, FRO, X31.38	HCT level	Serbus interrupt
X220.A18	Reset-P	Input	A3, FRO, X31.28	HCT level	Serbus reset
X220.A19	DIAG-5V	Output	A3, FRO, X31.44	-5 V to +5 V	Diagnosis
X220.A22	VA24-P	Input	A2, POWS1	23.75 to 25.25 V CW: 28 to 40 mA IQ: 30 to 42 mA	24-volt power supply
X220.A24	VA15-P	Input	A2, POWS1	14.85 to 15.75 V CW: 250 to 300 mA IQ: 360 to 420 mA	15-volt power supply
X220.A26	VA7.5-P	Input	A2, POWS1	7.45 to 7.95 V CW: 530 to 590 mA IQ: 530 to 590 mA	7.5-V power supply
X220.A28	VD5-P	Input	A2, POWs1	5.15 to 5.25 V CW: 450 to 500 mA IQ: 540 to 610 mA	5-V digital power supply
X220.A30	VA15-N	Input	A2, POWS1	-15.75 to - 14.85 V CW: 120 to 160 mA IQ: 120 to 160 mA	-15-V power supply

Pin	Name	Input/Outpu t	Origin/Destina tion	Specified range	Signal description
X221	FSUM	Input	A9, SUM A7, TSYN	7 to 12 dBm	450 to 1500 MHz Signal of frequency synthesis
X223	1Q300	Input	A240, IQMOD	-5 ± 0.2 dBm	Vector-modulated signal (bandwidth 30 MHz)
X227	FIQFIL	Output	A240, IQMOD	4 ± 3 dBm	Output signal 450 to 3300 MHz

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Schaltteillisten numerisch geordnet

Part lists in numerical order

Listes des pièces détachées par numéros de référence

et.

95.0026-0693

Comp. No.	Designation	Stock No.	Manufacturer	Designation	contained in
	XX VARIANTENERKLAERUNG				
	IDENTIFICATION OF MODELS VARO2=OHNE SMIQ-B46 EINBAU			•	
	VARO4=GRUNDAUSFUEHRUNG				
C1	CE 33UF 20% 25V AL SMD	0009.5592.00	PANASONIC	EEV HB 1E 330P	
4	SMD ELECTROLYTIC CAPACIT.				
C5	CC 3,9PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4509.00	MURATA	GRM39COG***B50ZPT	
C6	CC 3,9PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4509.00	MURATA	GRM39COG***B50ZPT	
C7	CC 4,7PF0,1PF50V NPO 0603	CC 0009.4538.00	MURATA	GRM39COG***B50ZPT	
СВ	SMD-CERAMIC-CAPACITOR CC 3,9PF0,1PF50V NPO 0603	CC 0009.4509.00	MURATA	GRM39COG***B5OZPT	
	SMD-CERAMIC-CAPACITOR				
C9	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	MURATA	GRM39CDG***F50ZPT	
C10	CC 12PF+-1% 50VNPO 0603	CC 0009.8256.00	MURATA	GRM39CDG***F50ZPT	
C11	SMD-CERAMIC-CAPACITOR CC 12PF+-1% 50VNPO 0603	CC 0009.8256.00	MURATA	GRM39COG***F50ZPT	
C12	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MUIDATA	GRM39COG***F5OZPT	
	SMD-CERAMIC-CAPACITOR			GRIGGCUG***FSUZPI	
C13	CC 5,6PFO,1PF5OV NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4521.00	MURATA	GRM39COG***B50ZPT	
C14	CC 3,9PFO,1PF50V NPO 0603	CC 0009.4509.00	MURATA	GRM39COG***B50ZPT	
C15	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA	GRM39COG***F50ZPT	
C16	SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MIIDATA	GRM39X7R***K5C500PT*	
	SMD-CERAMIC-CAPACITOR	0003.4044.00	IIIUKA I A	GRIEGEN / RECOUPT *	
	NICHT BESTUECKT NOT FITTED				
C17	CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA	GRM39COG***F50ZPT	
C18	SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MURATA (GRM39X7R***K5C500PT*	
C19	SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MIIDATA /	GRM39X7R***K5C500PT*	
	SMD-CERAMIC-CAPACITOR				
C20 23	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	MURATA (GRM39COG***F50ZPT	
C24 27	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	MURATA (GRM39X7R***K5C500PT*	
C28	CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA (GRM39COG***F50ZPT	
C29	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA (GRM39COG***F50ZPT	
C30	SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 0603			1	
	SMD-CERAMIC-CAPACITOR	CC 0009.4844.00		GRM39X7R***K5C500PT*	
C31	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	MURATA (GRM39X7R***K5C500PT*	
C32	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	MURATA (GRM39COG***F5OZPT	
C33	CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA (GRM39COG***F50ZPT	
35 C36	SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MIIDATA (GRM39X7R***K5C500PT*	
	SMD-CERAMIC-CAPACITOR	00 0000.4044.00	morara (SIGNOSKIN - KSCSOOF (
	NICHT BESTUECKT NOT FITTED				
C37	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	MURATA (GRM39COG***F50ZPT	
C40	CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MURATA (GRM39X7R***K5C500PT*	
	SMD-CERAMIC-CAPACITOR NICHT BESTUECKT				
C/1	NOT FITTED	00 0000 4600 00	MUEDATA (COMOCOCCATACCCATA	
C41	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	MUKATA (GRM39COG***F50ZPT	
C42	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	MURATA (GRM39COG***F50ZPT	
C43	CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MURATA (GRM39X7R***K5C500PT*	
	SMD-CERAMIC-CAPACITOR NICHT BESTUECKT				
C44	NOT FITTED CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MLIRATA (GRM39COG***F50ZPT	
	SMD-CERAMIC-CAPACITOR				
C45	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00	MURATA (GRM39COG***F50ZPT	
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Comp. No.	Designation	Stock No.		esignation	contained in
C46	CC 100PF+-1% 50VNPO 060	3 CC 0009.4680.00	MURATA GRN	139C0G***F50ZPT	
C47	SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 060 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT	3 CC 0009.4844.00	MURATA GRM	39X7R***K5C500PT*	
C48	NOT FITTED CC 10NF+-10% 50VHDK 060	3 CC 0009.4844.00	MURATA GRN	139X7R***K5C500PT*	
C49 51	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO 060 SMD-CERAMIC-CAPACITOR	3 CC 0009.4680.00	MURATA GRM	139C0G***F50ZPT	
C52	CC 10NF+-10% 50VHDK 0600 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	3 CC 0009.4844.00	MURATA GRM	139X7R***K5C500PT*	
C53_	CC 100PF+-1% 50VNPO 0603	3 CC 0009.4680.00	MURATA GRM	139C0G***F50ZPT	
55 C56	SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 0600 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT	3 CC 0009.4844.00	MURATA GRM	39X7R***K5C500PT*	
C57	NOT FITTED CC 10NF+-10% 50VHDK 0600 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT	3 CC 0009.4844.00	MURATA GRN	139X7R***K5C500PT*	
C58	NOT FITTED CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	3 CC 0009.4680.00	MURATA GRN	139C0G***F50ZPT	
C62	CC 10NF+-10% 50VHDK 0600 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	3 CC 0009.4844.00	MURATA GRM	I39X7R***K5C500PT*	
C63	CC 100PF+-1% 50VNPO 0603	3 CC 0009.4680.00	MURATA GRN	139C0G***F50ZPT	
C64	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	3 CC 0009.4680.00	MURATA GRM	139C0G***F50ZPT	
C65	CC 10NF+-10% 50VHDK 0600 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	3 CC 0009.4844.00	MURATA GRM	139X7R***K5C500PT*	
C66 68	CC 100PF+-1% 50VNPO 0603	3 CC 0009.4680.00	MURATA GRN	139C0G***F50ZPT	
C69	CC 10NF+-10% 50VHDK 0603	3 CC 0009.4844.00	MURATA GRN	139X7R***K5C500PT*	
C70 72	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	3 CC 0009.4680.00	MURATA GRN	139C0G***F50ZPT	
C73	CC 10NF+-10% 50VHDK 0600 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	3 CC 0009.4844.00	MURATA GRN	139X7R***K5C500PT*	
C74	CC 100PF+-1% 50VNPO 0600	3 CC 0009.4680.00	MURATA GRN	139C0G***F50ZPT	
C75	CC 10NF+-10% 50VHDK 0600 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	3 CC 0009.4844.00	MURATA GRM	139X7R***K5C500PT*	
C76	CC 100PF+-1% 50VNPO 0600 SMD-CERAMIC-CAPACITOR	3 CC 0009.4680.00	MURATA GRN	139C0G***F50ZPT	
C77	CC 100PF+-1% 50VNPO 060 SMD-CERAMIC-CAPACITOR	3 CC 0009.4680.00	MURATA GRN	139C0G***F50ZPT	
C78	CC 10NF+-10% 50VHDK 060 SMD-CERAMIC-CAPACITOR	3 CC 0009.4844.00	MURATA GRN	139X7R***K5C500PT*	
C79 82	CC 100PF+-1% 50VNPO 060 SMD-CERAMIC-CAPACITOR			139C0G***F50ZPT	
C83	CC 10NF+-10% 50VHDK 060 SMD-CERAMIC-CAPACITOR			139X7R***K5C500PT*	
C84	CC 100PF+-1% 50VNPO 060 SMD-CERAMIC-CAPACITOR			139C0G***F50ZPT	
C85	CC 10NF+-10% 50VHDK 060 SMD-CERAMIC-CAPACITOR NICHT BESTUECKT NOT FITTED	3 CC 0009.4844.00	MURATA GRI	/39X7R***K5C500PT*	
C86 88	CC 100PF+-1% 50VNPO 060 SMD-CERAMIC-CAPACITOR	3 CC 0009.4680.00	MURATA GR	139CDG***F50ZPT	
C89	CC 10NF+-10% 50VHDK 060 SMD-CERAMIC-CAPACITOR	3 CC 0009.4844.00	MURATA GR	M39X7R***K5C5OOPT*	
C90	CC 10NF+-10% 50VHDK 060 SMD-CERAMIC-CAPACITOR	3 CC 0009.4844.00	MURATA GR	M39X7R***K5C500PT*	
C91	CC 100PF+-1% 50VNPO 060 SMD-CERAMIC-CAPACITOR	3 CC 0009.4680.00	MURATA GR	//39COG***F5OZPT	
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IQ-CONVERTER

Stock No.

CC 0009.4680.00 MURATA

Manufacturer

Designation

GRM39CDG***F50ZPT

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C92

Designation

SMD-CERAMIC-CAPACITOR

50VNPO 0603

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CC 100PF+-1%

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ROHDE&SCHWARZ

C146		Comp. No.	Designation		Stock No.	Manufacturer	Designation	contain	ed in
C146 CC 0_28P=-0_08SP G6G3 CC 0010.7108.00 AVX G6G3 5J *** AAW TR CAMCEGAMIC_CARACITOR SOUNDED G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G6G3 CC 0010.7137.00 AVX G6G3 SJ *** AAW TR CAMCEGAMIC_CARACITOR G							-,-		
C149 C		C146	CC 0,2PF+-0,05PF		0010.7108.00	AVX	0603 5J *** AAW TR		
SIMO—CERAMIC CAPACITOR C148 C149 C149 C149 C149 C149 C149 C149 C149		C147			0009 4844.00	MURATA	GRM39X7R***K5C500PT*		
C149		0177	SMD-CERAMIC-CAPACITOR		, 55551 10 111 100				
C 148	ı								
C 149 CC 0, 2PF+-0, 05PF 0603 CC 0010,7108.00 AVX 0600 5,9 *** AAW TR 0500 FEMALE CAPACITOR 03 CC 1551 A697.00 AVX 0600 5,9 *** AAW TR 0500 FEMALE CAPACITOR 0500 FEMALE 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPACITOR 0500 FEMALE CAPAC	ı	C148	CC 0,5PF+-0,05PF		0010.7137.00	AVX	0603 5J *** AAW TR		·
C 1550 CS 35MF-10X 25V HDX 0603 CC 1051.4697.00 AVX CM105X7R333X25VAT CS 0.155 CC 105MF-10X 50VHDX 0603 CC 105MF-10X 50VHDX 0603 CC 105MF-10X 50VHDX 0603 CC 105MF-10X 50VHDX 0603 CC 105MF-10X 50VHDX 0603 CC 105MF-10X 50VHDX 0603 CC 105MF-10X 105W HDX 0603 CC 105MF		C149			0010.7108.00	AVX	0603 5J *** AAW TR		·
. 153 SIND CERAMIC CAPACITIOR COLORS SUP-CERAMIC CAPACITION COLORS		C150			1051.4697.00	AVX	CM105X7R333K25VAT		
C155 SMD-CERAMIC-CAPACITIOR C156 C157 C157 C158 C159		153	SMD CERAMIC CAPACITOR	≀					
C156 C 470PF+-10X50V HDX 0603 SMD-CERAMIC-CAPACITOR 0603 SMD-CERAMIC-CAPACI		C154	SMD-CERAMIC-CAPACITOR	₹					
C156 CC 470PF+-10X50V HDK 0603 CC 0009.4896.00 MURATA GRM39X7R***KEC500PT* CC 4.7NP+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***KEC500PT* CC 0.38NP*-10X 25V HDK 0603 SMD CERAMIC CAPACITOR CC 0.009.4809.00 MURATA GRM39X7R***KEC500PT* CC 0.38NP*-10X 25V HDK 0603 SMD CERAMIC CAPACITOR CC 0.009.4809.00 MURATA GRM39X7R***KEC500PT* CC 0.38NP*-10X 25V HDK 0603 SMD CERAMIC CAPACITOR CC 0.009.4809.00 MURATA GRM39X7R***KEC500PT* CC 0.38NP*-10X 25V HDK 0603 SMD CERAMIC CAPACITOR CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R***KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MURATA GRM39X7R****KEC500PT* CC 0.009.4804.00 MUR		C155			0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
C157 C 4, 71FF-10X 50V-HDK 0603 CC 0009.4809.00 MURATA CMM9X7R***K5C500PT* CM 050V-HDK 0603 CM 050V-HDK 050V-HDK 0603 CM 050V-HDK 050V-HDK 0603 CM 050V-HDK 050V-HDK 0603 CM 050V-HDK 050V-HDK 050V-HDK 050V-HDK 0		C156	CC 470PF+-10%50V HDK	0603 CC	0009.4896.00	MURATA	GRM39X7R***K5C500PT*		
C158 C159 C159 C159 C159 C159 C159 C159 C159		C157			0009.4809.00	MURATA	GRM39X7R***K5C500PT*		
C159 C159 C 33NF+-10X 25V HDX 0603 SMD CERAMIC CAPACITOR CC 33NF+-10X 25V HDX 0603 SMD CERAMIC CAPACITOR CC 33NF+-10X 25V HDX 0603 SMD CERAMIC CAPACITOR CC 33NF+-10X 25V HDX 0603 SMD CERAMIC CAPACITOR CC 33NF+-10X 25V HDX 0603 SMD CERAMIC CAPACITOR CC 10NF+-10X 50V HDX 0603 SMD CERAMIC CAPACITOR CC 10NF+-10X 50V HDX 0603 SMD CERAMIC CAPACITOR CC 10NF-+10X 50V HDX		C158	SMD-CERAMIC-CAPACITOR	₹	1051 4697.00	ΔVX	CM105X7R333K25VAT		
SMD_CERAMIC_CAPACITOR CC 4,7NF+-10% SOVHDK 0603 CC 0009.4899.00 MURATA GRM39X7R***K5C500PT* C 0009.4899.00 MURATA GRM39X7R***K5C500PT* C 0009.4899.00 MURATA GRM39X7R***K5C500PT* C 0009.4899.00 MURATA GRM39X7R***K5C500PT* C 0009.4899.00 MURATA GRM39X7R***K5C500PT* C 0009.4896.00 MURATA GRM39			SMD CERAMIC CAPACITOR	₹			•.		
C160 C 4,7NF+-10X 50VHDX 0603 CC 0009.4809.00 MURATA GRM99X7R***K5C50OPT* C 0009.4809.00 MURATA GRM99X7R***K5C50OPT* C 0009.4809.00 MURATA GRM99X7R***K5C50OPT* C 0009.4809.00 MURATA GRM99X7R***K5C50OPT* C 0009.4809.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4804.00 MURATA GRM99X7R***K5C50OPT* C 0009.4809.00 MURATA GRM99X7R***K5C		C159		≀					
C161 C. C. SAMF+-10X 25V HDK 0603 SMD CERAMIC CAPACITOR CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* CC 10NF+-10X 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 0009.4894.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* CC 000		C160	CC 4,7NF+-10% 50VHDK	0603 CC	0009.4809.00	MURATA	GRM39X7R***K5C500PT*		i
C162 CC 33NF+-10X 25V HOK 0603 CC 1051.4697.00 AVX CM105X7R338X25VAT CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF+-10X 50VHDK 0603 SM0-CERAMIC-CAPACITOR CC 10NF-10X 50VHDK 0603 SM0-CERAMI		C161	CC 33NF+-10% 25V HDK	0603 CC	1051.4697.00	AVX	CM105X7R333K25VAT		
C163 CC 10NF+-10X 50VHDK 0603 C164 CC 10NF+-10X 50VHDK 0603 C165 CC 10NF+-10X 50VHDK 0603 C166 CC 10NF+-10X 50VHDK 0603 CC 0009.4844.00 CC 0009.4896.00 CC 000		C162			1051.4697.00	AVX	CM105X7R333K25VAT		
SMD-CERAMIC-CAPACITOR CC 0009.4844.00 MURATA GRM39X7R***K5C50OPT* CC 10.0F*+10/X50V HDK 0603 SMD-CERAMIC-CAPACITOR CC 10.0F*+10/X50V HDK 0603 SMD-CERAMIC-CAPACITOR CC 0009.4896.00 MURATA GRM39X7R***K5C50OPT* GRM30X7R***K5C50OPT* CC 0009.4844.00 MURATA GRM39X7R***K5C50OPT* GRM30X7R***K5C50OPT* CC 0009.4844.00 MURATA GRM39X7R***K5C50OPT* GRM30X7R***K5C5OOPT* GRM30X7R***		C163			0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
SMD-CERAMIC-CAPACITOR CC 0.009.4938.00 MURATA GRM39X7R***K5C50OPT* CC 1.0NF*-10X50V HDK 0603 SMD-CERAMIC-CAPACITOR CC 0.009.4844.00 MURATA GRM39X7R***K5C50OPT* GRM39X7R***K5C50OPT* GRM39X7R***K5C50OPT* GRM39X7R***K5C50OPT* GRM39X7R***K5C50OPT* GRM39X7R***K5C50OPT* GRM39X7R***K5C5OOPT* GRM			SMD-CERAMIC-CAPACITOR	₹					
SMD-CERAMIC-CAPACITOR CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* GRM39X7R***K5C			SMD-CERAMIC-CAPACITOR	₹					
C166 CC 10NF+-10% SOVHDK 0603 CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* CC 10NF+-10% SOVHDK 0603 CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* CC 3NF+-10% SOVHDK 0603 CC 1051.4697.00 MURATA GRM39X7R***K5C500PT* CC 4,7NF+-10% SOVHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* CC 4,7NF+-10% SOVHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C170 CC 4,7NF+-10% SOVHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C171 CC 4,7NF+-10% SOVHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C172 CC 470FF+-10X50V HDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C173 CC 10NF+-10% SOVHDK 0603 CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* C174 CC 10NF+-10% SOVHDK 0603 CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* C175 CC 470FF+-10X50V HDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C176 CC 470FF+-10X50V HDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C176 CC 470FF+-10X50V HDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C176 CC 470FF+-10X50V HDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C176 CC 4,7NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C177 C178 CC 4,7NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C178 CC 4,7NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C179 CC 33NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C180 CC 4,7NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C180 CC 4,7NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C181 CC 4,7NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C181 CC 4,7NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C181 CC 4,7NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C181 CC 4,7NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C181 CC 4,7NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C181 CC 4,7NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C181 CC 4,7NF+-10X 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C181 CC 4,7NF+-10X 50VHDK 0603 CC 0009.480		C165			0009.4938.00	MURATA	GRM39X7R***K5C500PT*		
C170	۰or.	C166	CC 10NF+-10% 50VHDK	0603 CC	0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
C170	hte	C167	CC 10NF+-10% 50VHDK	0603 CC	0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
C170	B Rec	C168			1051,4697.00	AVX	CM105X7R333K25VAT		
C170	lla si	C160	+····		. 0008 4809 00	MIIPATA	GRM39X7R***K5C500PT*		
C170	vir ur		SMD-CERAMIC-CAPACITO	₹					
C172 SMD-CERAMIC-CAPACITOR CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* SMD-CERAMIC-CAPACITOR CC 10NF+10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 10NF+10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 470FF+10%50V HDK 0603 SMD-CERAMIC-CAPACITOR CC 470FF+10%50V HDK 0603 SMD-CERAMIC-CAPACITOR CC 470FF+10%50V HDK 0603 SMD-CERAMIC-CAPACITOR CC 470FF+10%50V HDK 0603 SMD-CERAMIC-CAPACITOR CC 470FF+10%50V HDK 0603 SMD-CERAMIC-CAPACITOR CC 4,7NF+10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 4,7NF+10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 10NF+10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 10NF+10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 10NF+10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 4,7NF+10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 4,7NF+10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 10NF+10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 4,7NF+10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 4,7NF+10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* GRM39X7R***K5C50	,		SMD-CERAMIC-CAPACITO	₹					
C172		C171			0009.4809.00	MURATA	GRM39X7R***K5C500PT*		
C173		C172	CC 470PF+-10%50V HDK	0603 C	0009.4896.00	MURATA	GRM39X7R***K5C500PT*		
C174		C173			0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
C175 SMD-CERAMIC-CAPACITOR CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR CC 4,7NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 4,7NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 4,7NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 3NF++10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 3NF++10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 4,7NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR CC 4,7NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR CC 0009.4896.00 CC 0009.4896.00 CC 0009.4896.00 SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR CC 0009.4896.00 SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR SMD-CERAMIC-CAPACITOR		C174			0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
C176			SMD-CERAMIC-CAPACITO	R					
C177 C177 CC 4, 7NF+-10% 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C178 CC 4, 7NF+-10% 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C179 CC 33NF+-10% 25V HDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* GRM39X7R*		C1/5	SMD-CERAMIC-CAPACITO	R					
C177		C176			0009.4896.00	MURATA	GRM39X7R***K5C500PT*		
C178	:	C177	CC 4,7NF+-10% 50VHDK	0603 C	0009.4809.00	MURATA	GRM39X7R***K5C500PT*		
C179		C178	CC 4,7NF+-10% 50VHDK	0603 C	0009.4809.00	MURATA	GRM39X7R***K5C500PT*		
C180 SMD CERAMIC CAPACITOR CC 10NF+-10% 50VHDK 0603 CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* SMD-CERAMIC-CAPACITOR CC 4,7NF+-10% 50VHDK 0603 CC 0009.4809.00 MURATA GRM39X7R***K5C500PT* C182 CC 470PF+-10%50V HDK 0603 CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* C183 CC 470PF+-10%50V HDK 0603 CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* C184 CC 10NF+-10% 50VHDK 0603 CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* C184 CC 10NF+-10% 50VHDK 0603 CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* CC 33NF+-10% 50VHDK 0603 CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* CC 33NF+-10% 50VHDK 0603 CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* GRM39X7R***K5C500PT* CC 33NF+-10% 50VHDK 0603 CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* GR		C179			C 1051.4697.00	AVX	CM105X7R333K25VAT		
C181	,		SMD CERAMIC CAPACITO	R	C 0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
C182 SMD-CERAMIC-CAPACITOR CC 470PF+-10%50V HDK 0603 CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* SMD-CERAMIC-CAPACITOR CC 470PF+-10%50V HDK 0603 CC 0009.4896.00 MURATA GRM39X7R***K5C500PT* SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 0603 CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* CC 33NF+-10% 25V HDK 0603 CC 1051.4697.00 AVX CM105X7R333K25VAT CM105X7R333K25VAT SMD CERAMIC CAPACITOR CC 1051.4697.00 AVX CM105X7R333K25VAT CM105X7R333K25VAT Sachnummer Stock No. Page CM105X7R333C25VAT Page CM105X7R333C25VAT CM105X7R33C25VAT CM105X7R33C25VAT CM105X7R33C25VAT CM105X7R33C25VAT CM105X7R33C25VAT CM105X7R33C25VAT CM105X7R33C25VAT CM105X7R33C25VAT CM105X7R33C25VAT CM105X7R33C25VAT CM105X7R3C25VAT		:	SMD-CERAMIC-CAPACITO	R					
C182		C181		R					
C183		C182	1	}	C 0009.4896.00	MURATA	GRM39X7R***K5C500PT*		
C184 CC 10NF+-10% 50VHDK 0603 CC 0009.4844.00 MURATA GRM39X7R***K5C500PT* C185 CC 33NF+-10% 25V HDK 0603 CC 1051.4697.00 AVX CM105X7R333K25VAT 1GPK 887 3PLU ÄI Datum Date Schaltteilliste für Parts list for Stock No. Page 24 07.10.99 EE IQ-CDNVERTER 1084.9300.01 SA 4+		C183	CC 470PF+-10%50V HDK	0603 C	C 0009.4896.00	MURATA	GRM39X7R***K5C500PT*		
C185 SMD-CERAMIC-CAPACITOR CC 33NF+-10% 25V HDK 0603 SMD CERAMIC CAPACITOR CC 1051.4697.00 AVX CM105X7R333K25VAT 1GPK 887 3PLU AI Datum Date Schaltteilliste für Parts list for Stock No. Page 24 07.10.99 EE IQ-CONVERTER 1084.9300.01 SA 4+		C184	CC 10NF+-10% 50VHDK	0603 C	C 0009.4844.00	MURATA	GRM39X7R***K5C500PT*	:	
SMD CERAMIC CAPACITOR 1GPK 887 3PLU ÄI Datum Date Schaltteilliste für Stock No. Perts list for Stock No. 1084.9300.01 SA 4+		C185			C 1051.4697.00	AVX	CM105X7R333K25VAT		
1GPK 887 3PLU ÄI Date Peris list for Stock No. Page 1GPK 887 3PLU ÄI Date Peris list for Stock No. Page 1084.9300.01 SA 4+									
1GPK 887 3PLU ÄI Date Peris list for Stock No. Page 1GPK 887 3PLU ÄI Date Peris list for Stock No. Page 1084.9300.01 SA 4+									
24 07.10.99 EE IQ-CONVERTER 1084.9300.01 SA 4+		1GPK	887 3PLU ÄI						
1084.9300.01 SA 4+	583			7619	r mi (5-1				
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	5.00	HOHD	PEGSUNWAKZ		IQ-CONVERTER				

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C186	CC 4,7NF+-10% 50VHDK		CC 000	9.4809.00	MURATA	GRM	39X7R***K5C500PT*		
C187	SMD-CERAMIC-CAPACITO CC 1,ONF+-10%50V HDK SMD-CERAMIC-CAPACITO	0603	cc ooo	9.4938.00	MURATA	GRM	39X7R***K5C500PT*		
C188	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO	0603	CC 105	1.4697.00	AVX	CM1	05X7R333K25VAT		
C189	CC 1, ONF+-10%50V HDK SMD-CERAMIC-CAPACITO	0603	cc 000	9.4938.00	MURATA	GRN	39X7R***K5C500PT*		
C190	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO	0603	CC 105	1.4697.00	AVX	CM1	05X7R333K25VAT		
C191	CC 4,7NF+-10% 50VHDK SMD-CERAMIC-CAPACITO		CC 000	9.4809.00	MURATA	GRM	39X7R***K5C500PT*		
C192	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO		CC 105	1.4697.00	AVX	CM1	05X7R333K25VAT		
C193	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO	R		1.4697.00		CM1	05X7R333K25VAT		
C194	CC 1,ONF+-10%50V HDK SMD-CERAMIC-CAPACITO	R		9.4938.00		GRM	39X7R***K5C500PT*		
C195	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO	R		1.4697.00		CM1	05X7R333K25VAT		
C196	CC 10NF+-10% 50VHDK SMD-CERAMIC-CAPACITO NICHT BESTUECKT NOT FITTED		CC 000	9.4844.00	MURATA	GRM	39X7R***K5C500PT*		
C197	CC 10NF+-10% 50VHDK SMD-CERAMIC-CAPACITO NICHT BESTUECKT NOT FITTED		CC 000	9.4844.00	MURATA	GRM	39X7R***K5C500PT*		
C198	CC 10NF+-10% 50VHDK SMD-CERAMIC-CAPACITO		cc 000	9.4844.00	MURATA	GRM	39X7R***K5C500PT*		
C199	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO	0603	CC 105	1.4697.00	AVX	CM1	05X7R333K25VAT		
C200	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO	0603	CC 105	1.4697.00	AVX	CM1	05X7R333K25VAT		
C201	CC 1,ONF+-10%50V HDK SMD-CERAMIC-CAPACITO	0603	CC 000	9.4938.00	MURATA	GRM	39X7R***K5C500PT*		
C2O2 2O4	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO	0603	CC 105	1.4697.00	AVX	CM1	05X7R333K25VAT		
C205 208	CC 2,2NF+-10% 50VHDK SMD-CERAMIC-CAPACITO		CC 000	9.4767.00	MURATA	GRM	39X7R***K5C500PT*		
C209	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO		CC 105	1.4697.00	AVX	CM1	05X7R333K25VAT		
C210	CC 2,2NF+-10% 50VHDK SMD-CERAMIC-CAPACITO		CC 000	9.4767.00	MURATA	GRM	39X7R***K5C500PT*		
C211	CC 2,2NF+-10% 50VHDK SMD-CERAMIC-CAPACITO		CC 000	9.4767.00	MURATA	GRM	39X7R***K5C500PT*		
C212	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITON NICHT BESTUECKT NOT FITTED		CC 105	1.4697.00	AVX	CM1	05X7R333K25VAT		
C213	CC 1UF+-10% 50V X7R CERAMIC CAPACITOR	2220	CC 052	0.6873.00	AVX	222	0 5C 105 KAT**A(F		
C214	CC 1UF+-10% 50V X7R CERAMIC CAPACITOR	2220	CC 052	0.6873.00	AVX	222	0 5C 105 KAT**A(F		
C215	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO		CC 105	1.4697.00	AVX	CM1	05X7R333K25VAT		
C216	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO		CC 105	1.4697.00	AVX	CM1	D5X7R333K25VAT		
C217	CC 100PF+-1% 50VNPO SMD-CERAMIC-CAPACITO	0603 (CC 000	9.4680.00	MURATA	GRM	39C0G***F50ZPT		
C218	NICHT BESTUECKT/NOT OF STATE O	0603	CC 105	1.4697.00	AVX	CM 1	D5X7R333K25VAT		
C219	NOT FITTED CC 1UF+-10% 50V X7R	2220	CC 052	0.6873.00	AVX	222	D 5C 105 KAT**A(F		
C220	CERAMIC CAPACITOR CC 33NF+-10% 25V HDK	. 1	CC 105	1.4697.00	AVX	CM1	05X7R333K25VAT		
C221	SMD CERAMIC CAPACITOR CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITOR NICHT BESTUECKT	0603	CC 105	1.4697.00	AVX	CM1	D5X7R333K25VAT		
C222	NOT FITTED CC 33NF+-10% 25V HDK		CC 105	1.4697.00	AVX	CM1	05X7R333K25VAT		
C223	SMD CERAMIC CAPACITO CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO	0603	CC 105	1.4697.00	AVX	CM1	05X7R333K25VAT		
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	Comp. No.		Designation				Stoc	k No.		Manufacturer	Dasig	nation		contains	d in
Ì		NICHT BE						_ 					ļ		
	C224	NOT FITT	-10% 25V			CC	1051.	.4697.00	A	vx	CM105	X7R333K	25VAT		
	C225	SMD CERAL CC 33NF+	-10% 25V	V HD	K 0603	СС	1051.	.4697.00	A	vx	CM105	X7R333K	25VAT		
		SMD CERAL NICHT BE	MIC CAPA												
	C226	NOT FITT	ED	/ шп	K 0603	CC	1051	. 4697 . 00) Δ\	vx	CM10F	5X7R333K	25VAT		
		SMD CERA	MIC CAPA	ACIT	OR			. 6873.00					KAT**A(F		
	C227	CC 1UF+- CERAMIC	CAPACITO	OR .								5X7R333K			
	C228	CC 33NF+ SMD CERA	MIC CAPA	ACIT	OR	UÜ	, רפטו	. 4697 . 00	A	***	CIVI IUS	MINOGON.			
1	C229	NICHT BE CC 33NF+	STUECKT/ 10% 25\	TOM\ V HD	FITTED K 0603	СС	1051.	. 4697 . 00) A	vx	CM105	5X7R333K	25VAT		
	231 C232	SMD CERA CC 33NF+	MIC CAPA 10% 25\	ACIT V HD	OR K 0603	СС	1051	.4697.00) A	vx	CM105	5X7R333K	25VAT		
-		SMD CERA NICHT BE	MIC CAPA	ACIT											
	6000	NOT FITT	ED	, un	IK OEO3	CC	1051	.4697.00	, ,	VX	CM105	5X7R333K	25VAT		
	C233	CC 33NF+ SMD CERA	MIC CAPA	ACIT	OR							5X7R333K			
	C234	CC 33NF+ SMD CERA	MIC CAPA	ACIT	OR			.4697.00							
	C235	CC 33NF+ SMD CERA	MIC CAPA	ACIT	K 0603 OR	CC	1051	.4697.00	۸ ار		CM 10!	5X7R333K	ZUVAI		
		NICHT BE	STUECKT												
	C236	CC 1UF+- CERAMIC	10% 50V		2220	CC	0520	.6873.00	AC	.VX	2220	5C 105	KAT**A(F		
ļ	C237	CC 33NF+	10% 25	V HD	1	СС	1051	.4697.00	AC	.vx	CM10!	5X7R333K	25VAT		
١	C238	CC 100PF SMD-CERA	+-1% 50	OVNP	0 0603	СС	0009	.4680.00	MC	TURATA	GRM3	9COG***F	50ZPT		
	C239	CC 33NF+	10% 25	V HD	OK 0603	СС	1051	.4697.00	A C	١٧X	CM10	5X7R333K	.25VAT		
	C240	SMD CERA	H-10% 50	OVHE	OK 0603	СС	0009	.4844.00	o M	TURATA	GRM3	9X7R***K	5C500PT*		
vo	C241	SMD-CERA	F-10% 50	OVHE	OK 0603	СС	0009	.4844.00	o M	1URATA	GRM3	9X7R***K	5C500PT*		
Recht		SMD-CERA NICHT BE	ESTUECKT		UK										
uns alle Rechte vor	C242	NOT FITT CC 10NF+	+-10% 5			СС	0009	. 4844.0	o M	IURATA	GRM3	9X7R***K	.5C500PT*		
ir uns	C243	SMD-CERA CC 33NF+	AMIC-CAP. 10% 25	ACIT	TOR DK 0603			.4697.0			CM10	5X7R333K	.25VAT		
wir	C244	SMD CERA CC 10NF+	AMIC CAP +-10% 5	ACIT	TOR DK 0603	СС	0009	.4844.0	o N	NURATA	GRM3	9X7R***K	5C500PT*		
		SMD-CERA	AMIC-CAP ESTUECKT	ACIT	TOR										
	C245	NOT FITT	TED		DK 0603	cc	1051	.4697.0	ola	١٧x	CM10	5X7R333K	(25VAT		
	C245	SMD CERA	AMIC CAP	ACI	TOR			.4844.0					(5C500PT*		
	1	SMD-CERA	AMIC-CAP +-10% 5	ACI	TOR	-		. 4844.0	1				(5C500PT*	l	
	C247	SMD-CERA	AMIC-CAP	ACI	TOR								(5C500PT*		
	C248	SMD-CERA	F+-10%50 AMIC-CAP	ACI.	TOR] -		. 4938.0							
	C249 252	SMD-CERA	+-10% 5 AMIC-CAP	ACI.	TOR			.4844.0					(5C500PT*		
	C253	CC 33NF- SMD CER	+-10% 25 AMIC CAP	VACI	DK 0603 TOR			1.4697.0				5X7R333K			
	C254	CC 10NF	+-10% 5 AMIC-CAP	SOVH	DK 0603	CC	0009	.4844.0	10	MURATA			(5C500PT*		
	C255	CC 10NF	+-10% 5	50VH	DK 0603	cc	0009	.4844.0	1 00	MURATA			(5C500PT*		
	C256	CC 10NF	+-10% 5	50VH	DK 0603	cc	0009	9.4844.0	00 1	MURATA	GRM3	9X7R***	(5C500PT*		
	C257	CC 0,7P	AMIC-CAP	PF.	0603	cc	0010).7150.C	10	AVX	0603	3 5J ***	AAW TR		
	C258	CC 0,3P	AMIC CAP	PF	0603	cc	0010	0.7114.0	00	AVX	0603	3 5J ***	AAW TR		
	C259	CC 0.4P	AMIC CAP	PF	0603	cc	0010	0.7120.0	00	AVX	0603	3 5J ***	AAW TR		
	C260	SMD-CER CC 2.7P	AMIC CAP	PACI OV N	IPO 0603	cc	0009	9.8291.0	00	MURATA	GRMS	39C0G***	B50ZPT		
		SMD-CER	RAMIC-CAF	PACI	TOR										
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C261	CC 2,7PFO,1PF50		CC 0009.8291.	00 MURATA	GRM39COG***B50ZPT		
C262	SMD-CERAMIC-CAPA CC 2,2PFO,1PF50		CC 0009.4467.	OO MURATA	GRM39COG***B50ZPT		
C263	SMD-CERAMIC-CAPA		CC 0009.8291.	OO MURATA	GRM39COG***B50ZPT		
0200	SMD-CERAMIC-CAPA		00 0003.0251.	MORATA	CITINOS COC.		
	NICHT BESTUECKT						
C264	CC 2,7PFO,1PF50\ SMD-CERAMIC-CAPA		CC 0009.8291.	OO MURATA	GRM39COG***B50ZPT		
	NICHT BESTUECKT	ACTION					
C265	NOT FITTED CC 2,7PF0,1PF50\	/ NPO 0603	CC 0009.8291.	OO MURATA	GRM39COG***B5OZPT		
	SMD-CERAMIC-CAPA						
	NICHT BESTUECKT NOT FITTED						
C266	CC 47PF+-1% 50 SMD-CERAMIC-CAPA	OVNPO 0603	CC 0009.4644.	OO MURATA	GRM39COG***F50ZPT		
C267	CC 10P+-0,1PF50\	/ NPO 0603	CC 0009.4567.	OO MURATA	GRM39COG***B50ZPT		
C268	SMD-CERAMIC-CAPA CC 10P+-0,1PF50\		CC 0009.4567.	OO MURATA	GRM39COG***B50ZPT		
C269	SMD-CERAMIC-CAPA CC 8,2PF0,1PF50\		CC 0009.4550.	DO MURATA	GRM39CDG***B50ZPT		
C270	SMD-CERAMIC-CAPA	ACITOR	CC 0009.4567.		GRM39COG***B5OZPT		
272	CC 10P+-0,1PF50\ SMD-CERAMIC-CAPA	ACITOR					
C273	CE 100UF+-20%16\ SMD-ELECTOLYTIC		CE 0009.6553.	DO SANYO	16CV100F(G)S		
C274	CE 100UF+-20%16\ SMD-ELECTOLYTIC	/ RUND SMD	CE 0009.6553.	OO SANYO	16CV100F(G)S		
C275	CC 22PF+-1% 50	OVNPO 0603	CC 0009.4609.	OO MURATA	GRM39COG***F50ZPT		
C276	SMD-CERAMIC-CAPA CC 22PF+-1% 50	OVNPO 0603	CC 0009.4609.	OO MURATA	GRM39COG***F50ZPT		
C277	SMD-CERAMIC-CAPA CC 10NF+-10% 50		CC 0009.4844.	OO MURATA	GRM39X7R***K5C500PT*		
	SMD-CERAMIC-CAPA						
	NOT FITTED						
C278	CC 100PF+-1% 50 SMD-CERAMIC-CAPA		CC 0009.4680.	DO MURATA	GRM39COG***F50ZPT		
C279	CC 22PF+-1% 50 SMD-CERAMIC-CAPA	OVNPO 0603	CC 0009.4609.	DO MURATA	GRM39COG***F50ZPT		
C280	CC 100PF+-1% 50	OVNPO 0603	CC 0009.4680.	DO MURATA	GRM39COG***F50ZPT		J
C281	SMD-CERAMIC-CAPA CC 22PF+-2% 150V		0009.8604.	DO ATC	ATC100A *** GW150XR		,
C282	PORCELAIN CAPACI	TOR DVNPO 0603	CC 0009.4609.	OO MURATA	GRM39COG***F50ZPT		Ì
C283	SMD-CERAMIC-CAPA CC 22PF+-1% 50	CITOR					
	SMD-CERAMIC-CAPA	CITOR	CC 0009.4609.		GRM39COG***F50ZPT		
C284	CC 100PF+-1% 50 SMD-CERAMIC-CAPA		CC 0009.4680.	DO MURATA	GRM39COG***F50ZPT		
C285	CC 22PF+-2% 150V PORCELAIN CAPACE		0009.8604.	DO ATC	ATC100A *** GW150XR		
C286	CC 100PF+-1% 50	OVNPO 0603	CC 0009.4680.	DO MURATA	GRM39COG***F50ZPT		
C287	SMD-CERAMIC-CAPA	OVNPO 0603	CC 0009.4680.	OO MURATA	GRM39COG***F5OZPT		
C288	SMD-CERAMIC-CAPA CC 27PF+-1% 50	CITOR DVNPO 0603	CC 0010.9323.	DO MURATA	GRM39COG***F5OZPT		
C289	SMD-CERAMIC-CAPA	CITOR					
	SMD-CERAMIC-CAPA	CITOR	CC 0009.4538.		GRM39COG***B5OZPT		
C290	CC 22PF+-1% 50 SMD-CERAMIC-CAPA	OVNPO 0603 CITOR	CC 0009.4609.	DO MURATA	GRM39COG***F50ZPT		
C291 293	CC 100PF+-1% 50 SMD-CERAMIC-CAPA		CC 0009.4680.	OO MURATA	GRM39COG***F50ZPT		
C294	CC 68PF+-1% 50	OVNPO 0603	CC 0009.9746.	DO MURATA	GRM39COG***F50ZPT		
C295	SMD-CERAMIC-CAPA	/ HDK 0603	CC 0009.4938.	OO MURATA	GRM39X7R***K5C500PT*		
C296	SMD-CERAMIC-CAPA	ACITOR OVNPO 0603	CC 0009.4609.	DO MURATA	GRM39COG***F5OZPT		
C297	SMD-CERAMIC-CAPA		CC 0009.4609.				
303	SMD-CERAMIC-CAPA	ACITOR			GRM39CDG***F50ZPT		
C304	CC 27PF+-1% 50 SMD-CERAMIC-CAPA	OVNPO 0603 ACITOR	CC 0010.9323.	JO MURATA	GRM39COG***F50ZPT		
C305 307	CC 100PF+-1% 50 SMD-CERAMIC-CAPA	OVNPO 0603	CC 0009.4680.	OO MURATA	GRM39COG***F5OZPT		
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C37	1	CC 10NF			HDK 0603	CC 0009.4844.0	O MURATA	GRM39X7R	***K5C500PT*		
C37	2	SMD-CER				00 1051 1607 0	ALIV	C#105Y7D	1000VAEVAT		
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	C403	LAYOUT XX ENTHAL INCLUDED LAYOUT		l								***************************************	
	C404	CC 10NF+-				CC	0009.	4844.00	MURATA	GRM3	9X7R***K5C500PT*		
	C405	SMD-CERAN	-10% 25	SV H	OK 0603	СС	1051.	4697.00	AVX	CM10	5X7R333K25VAT		
	C406	SMD CERAN CC 10NF+-				СС	0009.	4844.00	MURATA	GRM3	9X7R***K5C500PT*		
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Sun	C409	LAYOUT XX ENTHAL INCLUDED		1									
wìr	C410	CC 10NF+-				СС	0009.	4844.00	MURATA	GRM3	9X7R***K5C500PT*		
	C411	SMD-CERAN CC 33NF+-	-10% 25	SV HI	OK 0603	СС	1051.	4697.00	AVX	CM10	5X7R333K25VAT		
	C412	SMD CERAN	-10% 5	SOVH	OK 0603	СС	0009.	4844.00	MURATA	GRM3	9X7R***K5C500PT*		
	C413	SMD-CERAN XX ENTHAL INCLUDED	LTEN IN	V	IUK								
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	C416	XX ENTHAI INCLUDED LAYOUT		N									
	C417	XX ENTHAL INCLUDED		N									
	C418	XX ENTHA INCLUDED LAYOUT		N									
	C419	CC 33NF+				СС	1051	.4697.00	AVX	CM10	05X7R333K25VAT		
	C420	CC 2,2PF	0,1PF5	OV N	PO 0603	СС	0009	. 4467 . 00	MURATA	GRM	39COG***B50ZPT	}	
	C421	SMD-CERA CC 33NF+	-10% 2	5V H	DK 0603	СС	1051	. 4697 . 00	AVX	CM10	05X7R333K25VAT		
	C422	SMD CERA CC 4,7PF SMD-CERA	0,1PF5	OV N	PO 0603	СС	0009	. 4538 . 00	MURATA	GRM	39C0G***B50ZPT		
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C423	CC 0,2PF+-0,05PF	0603	CC 0010.7108.00	AVX	0603 5J *** AAW TR		
C424	SMD-CERAMIC CAPACITO CC 1.0PF0.1PF50V NPC		CC 0009.8304.00	MURATA	GRM39COG***B50ZPT		
426	SMD-CERAMIC-CAPACITO			I IIIONA I A	didioacod back i		
C427	CC 0,3PF+-0,05PF SMD-CERAMIC CAPACITO	0603	CC 0010.7114.00	AVX	0603 5J *** AAW TR		
C428	CC 0,3PF+-0,05PF	0603	CC 0010.7114.00	AVX	0603 5J *** AAW TR		
	SMD-CERAMIC CAPACITO NICHT BESTUECKT)R					
	NOT FITTED				<i></i>		:
C429	CC 1,0PFO,1PF50V NPC SMD-CERAMIC-CAPACITO		CC 0009.8304.00	MURATA	GRM39COG***B50ZPT		
	NICHT BESTUECKT						
C430	NOT FITTED CC 1.0PF0.1PF50V NPO	0603	CC 0009.8304.00	MILDATA	GRM39COG***B50ZPT		
0400	SMD-CERAMIC-CAPACITO		CC 0009.8304.00	MURATA	GRINGSCUGTTTDSUZPI		
	NICHT BESTUECKT NOT FITTED						
C431	CC 0,3PF+-0,05PF	0603	CC 0010.7114.00	AVX	0603 5J *** AAW TR		
C432	SMD-CERAMIC CAPACITO CC 3,3PF 0,1PF 50V N		CC 0009.8285.00	MILDATA	GRM39COG***B50ZPT		
	SMD-CERAMIC-CAPACITO	IR			GRWG9CUG****DOUZPI		
C433	CC 3.3PF 0.1PF 50V N SMD-CERAMIC-CAPACITO		CC 0009.8285.00	MURATA	GRM39COG***B5OZPT		
C434	CC 0,4PF+-0,05PF	0603	CC 0010.7120.00	AVX	0603 5J *** AAW TR		
436 C437	SMD-CERAMIC CAPACITO CC 33NF+-10% 25V HDK		CC 1051.4697.00	ΔVX	CM105X7R333K25VAT		
	SMD CERAMIC CAPACITO	R					
C438	CC 1,ONF+-10%50V HDK SMD-CERAMIC-CAPACITO		CC 0009.4938.00	MURATA	GRM39X7R***K5C500PT*		
C439	CC 33NF+-10% 25V HDK	0603	CC 1051.4697.00	AVX	CM105X7R333K25VAT		
441 C442	SMD CERAMIC CAPACITO CC 4,7NF+-10% 50VHDK		CC 0009.4809.00	MURATA	GRM39X7R***K5C500PT*		*
C443	SMD-CERAMIC-CAPACITO	R					:
1 0443	CC 4,7NF+-10% 50VHDK SMD-CERAMIC-CAPACITO	R	CC 0009.4809.00	MURAIA	GRM39X7R***K5C500PT*		
C444	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO		CC 1051.4697.00	AVX	CM105X7R333K25VAT		
C445	CC 4,7NF+-10% 50VHDK		CC 0009.4809.00	MURATA	GRM39X7R***K5C500PT*		
448 C449	SMD-CERAMIC-CAPACITO CC 33NF+-10% 25V HDK	- 1	CC 1051.4697.00	AVY	CM105X7R333K25VAT		
453	SMD CERAMIC CAPACITO		00 1031.4097.00	AVA	CIII IOSA/RSSSAZSVAT		
C454	XX ENTHALTEN IN INCLUDED IN						
0.55	LAYOUT						
C455	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITO		CC 1051.4697.00	AVX	CM105X7R333K25VAT		
C456	CC 33NF+-10% 25V HDK	0603	CC 1051.4697.00	AVX	CM105X7R333K25VAT		
C457	SMD CERAMIC CAPACITO CC 33NF+-10% 25V HDK		CC 1051.4697.00	AVX	CM105X7R333K25VAT		
459 C460	SMD CERAMIC CAPACITO XX ENTHALTEN IN						
0400	INCLUDED IN						
C461	LAYOUT CC 1, ONF+-10%50V HDK	UBO3	CC 0009.4938.00	MHDATA	GRM39X7R***K5C500PT*		
	SMD-CERAMIC-CAPACITO	R					
C462	CC 220PF+-1% 50VNPO SMD-CERAMIC-CAPACITO		CC 0009.4721.00	MURATA	GRM39COG***F50ZPT		
C463	CC 220PF+-1% 50VNP0	0603	CC 0009.4721.00	MURATA	GRM39COG***F50ZPT		1
C464	SMD-CERAMIC-CAPACITO CC 8,2PF+-0,1PF 150V		0009.8579.00	TEKELEC	201CHA***BVLR		
	PORCELAIN CAPACITOR						
C465	CC 8,2PF+-0,1PF 150V PORCELAIN CAPACITOR	rcll	0009.8579.00	TEKELEC	201CHA***BVLR		
C466	CC 6,8PFO,1PF5OV NPO SMD-CERAMIC-CAPACITO		CC 0009.8262.00	MURATA	GRM39COG***B50ZPT		
C467	CC 5,6PFO,1PF50V NPO	0603	CC 0009.4521.00	MURATA	GRM39CDG***B50ZPT		
469 C470	SMD-CERAMIC-CAPACITO CC 6,8PFO,1PF50V NPO		CC 0009.8262.00		GRM39COG***B50ZPT		
	SMD-CERAMIC-CAPACITO	R					
C471	CE 100UF+-20%16V RUN SMD-ELECTOLYTIC CAPA		CE 0009.6553.00	SANYO	16CV100F(G)S		-
C472	CC 33NF+-10% 25V HDK	0603	CC 1051.4697.00	AVX	CM105X7R333K25VAT		
C473	SMD CERAMIC CAPACITO CC 33NF+~10% 25V HDK		CC 1051.4697.00	AVX	CM105X7R333K25VAT		ļ
	SMD CERAMIC CAPACITO	R					
C474	CC 0,8PF+-0,05PF SMD-CERAMIC CAPACITO		CC 0010.7166.00	AVA	0603 5J *** AAW TR		
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C554	CC 10P+-0, 1PF50V N		CC 0009.4567.00	MURATA	GRM39COG***B50ZPT	
C555	SMD-CERAMIC-CAPACI CC 100PF+-1% 50VN		CC 0009.4680.00	MURATA	GRM39COG***F50ZPT	
C556	SMD-CERAMIC-CAPACI XX ENTHALTEN IN	TOR				
	INCLUDED IN					
C557	LAYOUT CC 100PF+-1% 50VN	PO 0603	CC 0009.4680.00	MURATA	GRM39COG***F50ZPT	
C558	SMD-CERAMIC-CAPACI CC 47PF+-1% 50VN	TOR PO 0603	CC 0009.4644.00	MUDATA	GRM39COG***F50ZPT	
1	SMD-CERAMIC-CAPACI	TOR				
C559	CC 68PF+-1% 50VN SMD-CERAMIC-CAPACI		CC 0009.9746.00	MURATA	GRM39COG***F50ZPT	
C560	XX ENTHALTEN IN					
	INCLUDED IN LAYOUT					
C561 563	CC 100PF+-1% 50VN SMD-CERAMIC-CAPACI		CC 0009.4680.00	MURATA	GRM39COG***F5OZPT	
C564	CC 6,8PFO,1PF50V N	PO 0603	CC 0009.8262.00	MURATA	GRM39COG***B50ZPT	
C565	SMD-CERAMIC-CAPACI CC 10P+-0,1PF50V N		CC 0009.4567.00	MURATA	GRM39COG***B50ZPT	
C566	SMD-CERAMIC-CAPACI CC 100PF+-1% 50VN		CC 0009.4680.00	MIRATA	GRM39COG***F50ZPT	
	SMD-CERAMIC-CAPACI	TOR			•.	
C567	CC 6,8PFO,1PF5OV N SMD-CERAMIC-CAPACI		CC 0009.8262.00	MURATA	GRM39COG***B50ZPT	
C568	XX ENTHALTEN IN INCLUDED IN					
0500	LAYOUT	DI/ 0000	00 1051 1505 00		014.057555000000000	
C569 572	CC 33NF+-10% 25V HI SMD CERAMIC CAPACI		CC 1051.4697.00	AVX	CM105X7R333K25VAT	
C573	XX ENTHALTEN IN INCLUDED IN					
0574	LAYOUT	n 0000	00 0500 0050 00			
C574	CC 1UF+-10% 50V X7 CERAMIC CAPACITOR	R 2220	CC 0520.6873.00	AVX	2220 5C 105 KAT**A(F	
C575	CC 1UF+-10% 50V X7 CERAMIC CAPACITOR	R 2220	CC 0520.6873.00	AVX	2220 5C 105 KAT**A(F	
	NICHT BESTUECKT					
C576	NOT FITTED CC 1UF+-10% 50V X7	R 2220	CC 0520.6873.00	AVX	2220 5C 105 KAT**A(F	
	CERAMIC CAPACITOR NICHT BESTUECKT				·	
0577	NOT FITTED					
C577	CC 1UF+-10% 50V X7 CERAMIC CAPACITOR	R 2220	CC 0520.6873.00	AVX	2220 5C 105 KAT**A(F	
	NICHT BESTUECKT NOT FITTED					
C578	CC 1UF+-10% 50V X7	R 2220	CC 0520.6873.00	AVX	2220 5C 105 KAT**A(F	
	CERAMIC CAPACITOR NICHT BESTUECKT			***************************************		
C579	NOT FITTED CC 1UF+-10% 50V X7	R 2220	CC 0520.6873.00	AVY	2220 5C 105 KAT**A(F	
	CERAMIC CAPACITOR	10 2220	0320.0073.00	AVA	2220 SC 105 KAT**A(F	
	NICHT BESTUECKT NOT FITTED					
C580	CC 1,ONF+-10%50V H SMD-CERAMIC-CAPACI		CC 0009.4938.00	MURATA	GRM39X7R***K5C500PT*	
C581	XX ENTHALTEN IN	· OIX				
	INCLUDED IN LAYOUT					
C582	XX ENTHALTEN IN INCLUDED IN					
0500	LAYOUT					
C583	XX ENTHALTEN IN INCLUDED IN			,		
C584	LAYOUT XX ENTHALTEN IN					
5554	INCLUDED IN					
C585	LAYOUT CC 4,7PFO,1PF5OV N		CC 0009.4538.00	MURATA	GRM39COG***B50ZPT	
C586	SMD-CERAMIC-CAPACI CC 4,7PFO,1PF5OV N		CC 0009.4538.00	MURATA	GRM39COG***B5OZPT	
	SMD-CERAMIC-CAPACI	TOR	,			
C587	CC 6,8PFO,1PF5OV N SMD-CERAMIC-CAPACI		CC 0009.8262.00	MUKAIA	GRM39COG***B50ZPT	
C588	XX ENTHALTEN IN INCLUDED IN					
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C626 632	CC 100PF+-1% 50V SMD-CERAMIC-CAPAC		CC	0009.	4680.00	MURATA	GRM	39C0G***F50ZPT		
C633	CC 2,2PFO,1PF5OV	NPO 0603	СС	0009.	4467.00	MURATA	GRM	39C0G***B50ZPT		
C634 637	CC 100PF+-1% 50V	NPO 0603	СС	0009.	4680.00	MURATA	GRM	39C0G***F50ZPT		
C638	SMD-CERAMIC-CAPAC CC 10P+-0,1PF50V	NPO 0603	СС	0009.	4567.00	MURATA	GRM	39C0G***B50ZPT		
C639	SMD-CERAMIC-CAPAC CC 4,7PFO,1PF50V	NPO 0603	СС	0009.	4538.00	MURATA	GRM	39C0G***B50ZPT		
642 C643	SMD-CERAMIC-CAPAC CC 100PF+-1% 50V	NPO 0603	СС	0009.	4680.00	MURATA	GRM	39C0G***F50ZPT		
	SMD-CERAMIC-CAPAC NICHT BESTUECKT	ITOR								
C644	NOT FITTED CC 100PF+-1% 50V	NPO 0603	СС	0009.	4680.00	MURATA	GRM	39C0G***F50ZPT		
	SMD-CERAMIC-CAPAC NICHT BESTUECKT	ITOR								
C645	NOT FITTED CC 100PF+-1% 50V	NPO 0603	СС	0009.	4680.00	MURATA	GRM	39C0G***F50ZPT		
	SMD-CERAMIC-CAPAC NICHT BESTUECKT	ITOR								
C646	NOT FITTED CC 100PF+-1% 50V	NPO 0603	cc	0009.	4680.00	MURATA	GRM	39C0G***F50ZPT		
	SMD-CERAMIC-CAPAC NICHT BESTUECKT									
C647	NOT FITTED CC 100PF+-1% 50V	NPO 0603	CC	0009	4680.00	MURATA	GRM	39CDG***F50ZPT		
30 //	SMD-CERAMIC-CAPAC NICHT BESTUECKT				4000.00	MORA I R	QI (III	130211		
C648	NOT FITTED CC 100PF+-1% 50V	NBO UEO3	cc	0000	4680.00	AAI ID A T A	CD#	39C0G***F50ZPT		
0040	SMD-CERAMIC-CAPAC NICHT BESTUECKT			0003.	4080.00	MUNATA	GAM	39000***/-502F1		
C649	NOT FITTED	NPO OGOS		0000	4600 00	SALED A T A	CDM	20202444550707		
	CC 100PF+-1% 50V SMD-CERAMIC-CAPAC	ITOR			4680.00			39COG***F50ZPT		
C650	CC 4,7NF+-10% 50V SMD-CERAMIC-CAPAC	ITOR			4809.00	1,11,4		39X7R***K5C500PT*		
C651 660	CC 100PF+-1% 50V SMD-CERAMIC-CAPAC	ITOR			4680.00			39CDG***F50ZPT		
C661	CC 10P+-0,1PF50V SMD-CERAMIC-CAPAC		CC	0009.	4567.00	MURATA	GRM	39C0G***B50ZPT		
C670	NICHT BESTUECKT/N CC 2,2PFO,1PF50V	NPO 0603	СС	0009.	4467.00	MURATA	GRM	39C0G***B50ZPT		
C671	SMD-CERAMIC-CAPAC CE 10UF +-10% 25V		ÇE	0007.	7246.00	SPRAGUE	293	D 106 X9 025 D2W		
i	TANTALUM SMD-CAPA	_								
D1	BL PC74HCT125T 4X QUAD LINE DRIVER	BUFF. 3S	BL	0007.	5395.00	PHILIPS_SE	(PC)74HCT125(D/T)		
D2	BL PC74HCT125T 4X QUAD LINE DRIVER	BUFF. 3S	BL	0007.	5395.00	PHILIPS_SE	(PC)74HCT125(D/T)		
D3	BS DG419DY 1XUM A ANALOG SWITCH	NALOGSCH		0746.	0322.00	SILICONIX	DG4	19DY		
D4 12	BL PC74HC4094T 8S 8-STAGE SHIFT&STO			0804.	0977.00	PHILIPS_SE	(PC)74HC4094(D/T)		
D13	BL PC74HC4051T 8C 8CHANNEL ANAL.MUL	H.AN.MUX		0007.	3592.00	PHILIPS_SE	(PC)74HC4051(D/T)		
D14	BL PC74HC4051T 8C 8CHANNEL ANAL.MUL	H.AN.MUX		0007.	3592.00	PHILIPS_SE	(PC)74HC4051(D/T)		
D15	BL PC74HCT132T 4X NAND SCHMITT TRIG	2IN SCHM	BL	0007.	6340.00	PHILIPS	(PC)74HCT132(D/T)		
D17		8 EEPROM		2013.	8937.00	ATMEL.	AT2	4C164-10SC-2.7		
D18	BG TH3032.1C SERB	USD ASIC	BG	0008.	6143.00	THESYS	TH3	032.10		
L1		,3A 0603	LD	0009.	6676.00	токо	LL1	608-FHK(J)		
L2	•	,3A 0603	LD	0009.	6653.00	токо	LL1	608-FHK(J)		
L3	SMD-MULTILAYER IN LD SP-DROSSEL 47U			1081.	0331.00	SUMIDA	CDR	125-470		
6 L7		,3A 0603	LD	0009.	6653.00	токо	LL1	608-FHK(J)		
L8	SMD-MULTILAYER IN LD 47NH +-10% 0,3	A 0805	LD	0009.	6824.00	токо	LL2	012-FH47NK(J)		
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	L115	LAYOUT XX ENTHALTEN IN INCLUDED IN								
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	L122	XX ENTHALTEN IN INCLUDED IN LAYOUT								
	L123	XX ENTHALTEN IN INCLUDED IN LAYOUT								
	L124	XX ENTHALTEN IN INCLUDED IN LAYOUT								
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	L143	LAYOUT XX ENTHALTEN IN INCLUDED IN			
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	L145	LAYOUT XX ENTHALTEN IN INCLUDED IN			
	L146	LAYOUT XX ENTHALTEN IN INCLUDED IN			
	L147	LAYOUT XX ENTHALTEN IN INCLUDED IN			
	L148	LAYOUT XX ENTHALTEN IN INCLUDED IN LAYOUT			
	L149	LD 8,2NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD 0009.6682.00	TOKO	LL1608-FHK(J)
	L150	XX ENTHALTEN IN INCLUDED IN LAYOUT			
	L151	XX ENTHALTEN IN INCLUDED IN			
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L191	LAYOUT XX ENTHALTEN IN INCLUDED IN				
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L193	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L194	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L195	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L196	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L197	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L198	LAYOUT XX ENTHALTEN IN INCLUDED IN			•	
L199	LAYOUT XX ENTHALTEN IN INCLUDED IN			·	
L200	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L201	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L202	LAYOUT LD 39NH +-10% 0,3A 0603	LD 0009.6760.00	TOKO LL	1608-FHK(J)	
L203	SMD-MULTILAYER INDUCTOR XX ENTHALTEN IN INCLUDED IN				
L204	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L205	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L206	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L207	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L208	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L209	LAYOUT LD 22NH 10% 0,3A 0603	LD 0009.6730.00	TOKO LL	1608-FHK(J)	
L210	SMD-MULTILAYER INDUCTOR XX ENTHALTEN IN INCLUDED IN				
L211	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L212	LAYOUT XX ENTHALTEN IN INCLUDED IN				
L213	LAYOUT XX ENTHALTEN IN INCLUDED IN				
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L215	LAYOUT XX ENTHALTEN IN INCLUDED IN				
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	L230	XX ENTHALTEN IN INCLUDED IN LAYOUT								
	L231	XX ENTHALTEN IN INCLUDED IN LAYOUT								
	L232	XX ENTHALTEN IN INCLUDED IN LAYOUT								
	L233	XX ENTHALTEN IN INCLUDED IN LAYOUT								
	L234	XX ENTHALTEN IN INCLUDED IN LAYOUT								
	L235 L236	XX ENTHALTEN IN INCLUDED IN LAYOUT		3A 0603	LD 0009.6753.00	דחגים	1116	608-FHK(J)		
	L236 L237	LD 33NH +-10% SMD-MULTILAYER XX ENTHALTEN IN INCLUDED IN	IND		25 0505.0750.00	, , , , ,	(C			
	L238	LAYOUT XX ENTHALTEN IN INCLUDED IN								
	L239	LAYOUT XX ENTHALTEN IN INCLUDED IN	ı	111111111111111111111111111111111111111						
	L240	LAYOUT XX ENTHALTEN IN INCLUDED IN	Ī	, company						
	L241	LAYOUT XX ENTHALTEN IN INCLUDED IN LAYOUT								
	L242	XX ENTHALTEN IN INCLUDED IN LAYOUT	ł	7, 1						
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	Comp. No.	Designation	Stock No.	Manufacturer	Designation	contained in
	L243	XX ENTHALTEN IN INCLUDED IN				
	L244	LAYOUT XX ENTHALTEN IN INCLUDED IN				
	L245	LAYOUT XX ENTHALTEN IN INCLUDED IN				
	L246	LAYOUT XX ENTHALTEN IN INCLUDED IN				
	L247	LAYOUT XX ENTHALTEN IN INCLUDED IN				
	L248	LAYOUT XX ENTHALTEN IN INCLUDED IN				
	L249	LAYOUT XX ENTHALTEN IN INCLUDED IN				
	L250	LAYOUT XX ENTHALTEN IN INCLUDED IN				
	L252	LAYOUT LD 33NH +-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD 0009.6753.00	τοκο ι	LL1608-FHK(J)	
	L253	XX ENTHALTEN IN INCLUDED IN LAYOUT				
	L254 L255	LD 2,2NH+-O,3NH O,3A O6O3 SMD-MULTILAYER INDUCTOR XX ENTHALTEN IN	LD 0009.6618.00	TOKO I	LL 1608-FH2 N2 S	
	L256	INCLUDED IN LAYOUT LD 4,7NH+-10% 0,3A 0603	LD 0009.6653.00	τοκο ι	LL1608-FHK(J)	
	L257	SMD-MULTILAYER INDUCTOR LD 10NH 10% 0,3A 0603	LD 0009.6699.00	TOKO 1	LL1608-FHK(J)	
halten ror.	L258	SMD-MULTILAYER INDUCTOR LD 39NH +-10% 0,3A 0603	LD 0009.6760.00	τοκο ι	_L1608-FHK(J)	
Für diese Unterlage behalten wir uns alle Rechte vor.	L259	SMD-MULTILAYER INDUCTOR LD 39NH +-10% 0,3A 0603	LD 0009.6760.00	токо в	LL1608-FHK(J)	
Jnterla alle Re	L260	SMD-MULTILAYER INDUCTOR LD 22NH 10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD 0009.6730.00	TOKO E	LL1608-FHK(J)	
liese t	L261	LD 22NH 10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD 0009.6730.00	τοκο ι	_L1608-FHK(J)	
Für c wi	L262	LD 12NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD 0009.6701.00	τοκο ι	_L1608-FHK(J)	
	L263	LD 27NH 10% O,3A 0603 SMD-MULTILAYER INDUCTOR	LD 0009.6747.00	τοκο ι	_L1608-FHK(J)	
	L266	XX ENTHALTEN IN INCLUDED IN LAYOUT				
	L267	XX ENTHALTEN IN INCLUDED IN LAYOUT	\$ 100 mm mm mm mm mm mm mm mm mm mm mm mm m			
	L269	XX ENTHALTEN IN INCLUDED IN LAYOUT				
	L270	XX ENTHALTEN IN INCLUDED IN LAYOUT		1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		
	L271	XX ENTHALTEN IN INCLUDED IN LAYOUT				
	L273	XX ENTHALTEN IN INCLUDED IN LAYOUT	-			
	L274	XX ENTHALTEN IN INCLUDED IN LAYOUT				
	L275	XX ENTHALTEN IN INCLUDED IN LAYOUT				
	L276	XX ENTHALTEN IN INCLUDED IN LAYOUT				
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Ī	L277	XX ENTHALTEN IN										
	L278	INCLUDED IN LAYOUT XX ENTHALTEN IN INCLUDED IN										
	L279	LAYOUT XX ENTHALTEN IN INCLUDED IN										
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	L288	LAYOUT XX ENTHALTEN IN INCLUDED IN LAYOUT										
	L289	XX ENTHALTEN IN INCLUDED IN LAYOUT										
	L290	XX ENTHALTEN IN INCLUDED IN LAYOUT					1	_				
	L293	LD 33NH +-10% SMD-MULTILAYER		TOR			6753.00			008-FHK(J)		
vor.	L294	LD 33NH +-10% SMD-MULTILAYER	0,3A	0603 L	LD (0009.	6753.00	токо	LL16	608-FHK(J)		
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ille HE	L298	SMD-MULTILAYER 1	0,3A	. 0603 1	LD (0009.	6647.00	токо	LL16	608-FHK(J)		
Sun	L299	SMD-MULTILAYER I	О,ЗА	. 0603 เ	LD (0009.	6682.00	токо	LL16	608-FHK(J)		
WiF.	L300		INDUC O,18A	1.	LD (0007.	9255.00	SIEMENS	B824	122-A1103-J(K)100		
	309 L310	RF CHOKE LD 39NH +-10% O			LD (0009.	6760.00	токо	LL16	608-FHK(J)		
j	L311	SMD-MULTILAYER LD 10UH 10%	INDUC	TOR				SIEMENS	B824	122-A1103-J(K)100		
	L312	RF CHOKE LD 39NH +-10% O	,3A O	603			6760.00		LL16	608-FHK(J)		
	L313	SMD-MULTILAYER LD 39NH +-10% O	INDUC	CTOR			6760.00			608-FHK(J)		
	L313	SMD-MULTILAYER		TOR			.6730.00			308-FHK(J)		
		SMD-MULTILAYER	INDUC 3,3A O	TOR			.6730.00			508-FHK(J)		
	L315	SMD-MULTILAYER	INDUC	TOR						308-FHK(J)		
	L316	SMD-MULTILAYER		CTOR			6747.00					
	L319 321	LD 39NH +-10% O SMD-MULTILAYER),3A O INDUC	0603 CTOR			.6760.00			308-FHK(J)		
	N1	OPERATIONAL AMP	LIFIE	OPAMP ER			.7823.00			74A(CD)		
	N2	BO REFOICS 10V VOLTAGE REFEREN	20MA	VREF			.5129.00			01C(S)		
	N3		XFET	OPAMP ER		0803.	. 1057 . 00	TEXAS	TL (072 ACDR		
	N4	BO NE5532D	2XLN	OPAMP	i i	0007.	.7798.00	SIGNETICS	NE55	532D		
	7 N8	2 OPERATIONAL A BM SFD1001 VERD	OPPLE	ER		1039.	. 1804.00	WATKINS-JO	SFD	1001		
	N9	FREQUENCY DOUBL BO LM224D OPERATIONAL AMP	4XLP	OPAMP		0007	. 7852 . 00	SIGNETICS	LM2	24D		
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Manufacturer

Designation

CGY50 (Q68000-A8370)

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R89		+-1% TK1			RG	0009.5334.00	PHILIPS_CO	RC	22 H		
R90		ISTOR EIA OHM+-1%T				0009.9081.00	PHILIPS CO	RC	22 H		
	SMD RES	ISTOR EIA	0600	3							
R91	,	+-1% TK1C SISTOR EIA		0603 3		0009.7066.00	PHILIPS_CO	КC	22 H		
R92	RG 18R2	! +-1% TK1	00	0603		0010.8385.00	DRALORIC	CR	0603		
R93		ISTOR EIA +-1% TK1		3 0603		0010.9100.00	PHILIPS CO	RC	22 H		
	SMD RES	ISTOR EIA	060	3							
R95		+-1%TK1OC ISTOR EIA		0603 3		0010.9275.00	PHILIPS_CO	RC	22 H		
R96	RG 220R	+-1% TK1	00	0603		0009.6953.00	DRALORIC	CR	0603		
R97	RG 13RO	ISTOR EIA +-1% TK1	00	0603		0009.9069.00	DRALORIC	CR	0603		
	SMD RES	ISTOR EIA	0603		DC						
R98		: +-1% TK1 ISTOR EIA		0603 3	KG	0009.5334.00	PHILIPS_CO	RC	22 n		
R99		+-1% TK1		0603	RG	0009.5334.00	PHILIPS_CO	RC	22 H		
R100		ISTOR EIA OHM+-1%T				0009.9130.00	DRALORIC	ÇR	0603		
0101	£	ISTOR EIA						CD	0603		
R101		OHM+-1%T ISTOR EIA				0009.9130.00	BRALORIC	CR	0603		
R102	3	OHM+-1%T ISTOR EIA		_		0009.9052.00	DRALORIC	CR	0603		
R103		OHM+-1%TK			RG	0007.5650.00	DRALORIC	CR	1206		
R104	RESISTO	R CHIP : +-1% TK1	00	0603		0009.6953.00	DRALORIC	CD	0603		
	SMD RES	ISTOR EIA	0603	3							
R106		+-1% TK1 ISTOR EIA		0603		0010.8391.00	PHILIPS_CO	RC	22 H		
R107	RG 825R	: +-1% TK1	00	0603		0010.8391.00	PHILIPS_CO	RÇ	22 H		
R108		ISTOR EIA +-1% TK1C		3 0603	B.G.	0009.5357.00	PHTI TPS CO	ВC	22 H		
118	SMD RES	ISTOR EIA	0603	3	"						
R119		: +-1% TK1 ISTOR EIA		0603		0010.8391.00	PHILIPS_CO	RC	22 H		
R120	RG 10K	+-1% TK10	00	0603	RG	0009.5357.00	PHILIPS_CO	RC	22 H		
R121		ISTOR EIA		3 0603	RG	0009.5340.00	PHILIPS CO.	RC	22 H		
	SMD RES	ISTOR EIA	0603	3							
R122		+-1% TK1C ISTOR EIA		0603 3	RG	0009.5357.00	PHILIPS_CO	RC	22 H		
R123	RG 1KO	+-1% TK10	00	0603	RG	0009.5340.00	PHILIPS_CO	RC	22 H		
R124		ISTOR EIA +-1% TK10		3 0603	RG	0009.5357.00	PHILIPS CO	RC	22 H		
	SMD RES	ISTOR EIA	0603	3							
R125		+-1% TK10 ISTOR EIA		0603 3	RG	0009.5357.00	PHILIPS_CO	RC	22 H		
R126	RG 1KO	+-1% TK10	0	0603	RG	0009.5340.00	PHILIPS_CO	RC	22 H		
R127		ISTOR EIA +-1% TK10		0603	RG	0009.5357.00	PHILIPS CO	RC	22 H		
	SMD RES	ISTOR EIA	0603	3							
R128		+-1% TK10 ISTOR EIA		0603 3	KG	0009.5357.00	PHILIPS_CO	KÜ	22 H		
R129	RG 10K	+-1% TK10	0	0603	RG	0009.5357.00	PHILIPS_CO	RC	22 H		
134 R135	_	ISTOR EIA +-1% TK1C		0603	RG	0009.5340.00	PHILIPS_CO	RC	22 н		
R136		ISTOR EIA +-1% TK10									
140	SMD RES	ISTOR EIA	0603	3		0009.5357.00					
R141		+-1% TK10		0603	RG	0009.5340.00	PHILIPS_CO	RC	22 H		
R142	RG 10K	+-1% TK10	00	0603	RG	0009.5357.00	PHILIPS_CO	RC	22 H		
R143		ISTOR EIA +-1% TK10		3 0603		0009.5340.00					
	SMD RES	ISTOR EIA	0603	3							
R144 152		+-1% TK10		0603	RG	0009.5357.00	PHILIPS_CO	RC	22 H		
R153	RG 1KO	+-1% TK10	00	0603	RG	0009.5340.00	PHILIPS_CO	RC	22 H		
R154		ISTOR EIA +-1% TK10		3 0603		0009.5357.00					
	SMD RES	ISTOR EIA	060	3							
R155		+-1% TK10 ISTOR EIA		0603	RG	0009.5357.00	PHILIPS_CO	RC	22 H		
R156	RG 1KO	+-1% TK10	00	0603	RG	0009.5340.00	PHILIPS_CO	RC	22 H		
	SMD RES	ISTOR EIA	0603	3							

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Comp. No.

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RG 0009.5357.00 PHILIPS_CO RC 22 H

RG 0009.5357.00 PHILIPS_CO RC 22 H

Designation

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R205

R206

Designation

RG 10K +-1% TK100 SMD RESISTOR EIA0603

RG 10K +-1% TK100

0603

0603

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SMD RESISTOR EIAO603

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R341 R341 R341 R341 R341 R341 R341 R341	
R341 SMD RESISTOR EIAOGOS GEO3 GEO3 GEO3 GEO3 GEO GEO3 GEO3 GEO GEO3 GEO3 GEO GEO3 GEO3 GEO3 GEO GEO3 GEO3 GEO3 GEO GEO3	Blatt-Nr. Page
R341 R342 R346 R346 R346 R346 R346 R346 R346 R346	
R341 SMD RESISTOR ELAGGOS GEOS	
SMD RESISTOR EIABOOS GOOD	
R341 SMD RESISTOR EIABGOS R6470R - 11% TK100 SMD RESISTOR EIABGOS R349 RG 470R + 11% TK100 SMD RESISTOR EIABGOS R349 RG 470R + 11% TK100 SMD RESISTOR EIABGOS R344 RG 470R + 11% TK100 SMD RESISTOR EIABGOS R344 RG 470R + 11% TK100 SMD RESISTOR EIABGOS R346 RG 470R + 11% TK100 SMD RESISTOR EIABGOS R355 RG 470R + 11% TK100 SMD RESISTOR EIABGOS R355 RG 470R + 11% TK100 SMD RESISTOR EIABGOS R355 RG 470R + 11% TK100 SMD RESISTOR EIABGOS R355 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R355 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R358 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R357 RG 580R + 11% TK100 SMD RESISTOR EIABGOS R377 RG 680R + 11% TK100 SMD RESISTOR EIABGOS R374 RG 680R + 11% TK100 SMD RESISTOR EIABGOS R374 RG 680R + 11% TK100 SMD RESISTOR EIABGOS R377 RG 680R + 11% TK100 SMD RESISTOR EIABGOS R377 RG 880R + 11% TK100 SMD RESISTOR EIABGOS R377 RG 880R + 11% TK100 SMD RESISTOR EIABGOS R377 RG 880R + 11% TK100 SMD RESISTOR EIABGOS R374 RG 880R + 11% TK100 SMD RESISTOR EIABGOS R374 RG 880R + 11% TK100 SMD RESISTOR EIABGOS R374 RG 880R + 11% TK100 SMD RESISTOR EIABGOS R377 RG 880R + 11% TK100 SMD RESISTOR EIABGOS R381 RG 880R + 11% TK100	
R341 SMD RESISTOR EIAGG3 R6470R + 11 K 100 SMD RESISTOR EIAGG3 R6470R + 11 K 100 SMD RESISTOR EIAGG3 R6470R + 11 K 100 SMD RESISTOR EIAGG3 R6470R + 11 K 100 SMD RESISTOR EIAGG3 R6470R + 11 K 100 SMD RESISTOR EIAGG3 R6470R + 11 K 100 SMD RESISTOR EIAGG3 R6470R + 11 K 100 SMD RESISTOR EIAGG3 R6470R + 11 K 100 SMD RESISTOR EIAGG3 R6470R + 11 K 100 SMD RESISTOR EIAGG3 R6470R + 11 K 100 SMD RESISTOR EIAGG3 R6470R + 11 K 100 SMD RESISTOR EIAGG3 R6582 + 11 K 100 SMD RESISTOR EIAGG3 R6582 + 11 K 100 SMD RESISTOR EIAGG3 R6582 + 11 K 100 SMD RESISTOR EIAGG3 R6582 + 11 K 100 SMD RESISTOR EIAGG3 R6592	
R341 R341 R340 R470R +-1% TK100 G603 R340 G70R +-1% TK100 G603 R344 R344 R344 R3470R +-1% TK100 G603 R344 R344 R344 R345 R344 R345 R344 R345 R344 R345 R344 R345 R344 R345 R344 R345 R344 R345 R345	
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R341 R841 R841 R841 R841 R841 R841 R841 R8	
R341 R341 R8 470R +-1% TK100 0603 SMD RESISTOR E1AG603 R340 CO09.6976.00 DRALORIC CR 0603 SMD RESISTOR E1AG603 R340 SMD RESISTOR E1AG603 R340 SMD RESISTOR E1AG603 R340 SMD RESISTOR E1AG603 R346 RG 470R +-1% TK100 0603 R346 RG 470R +-1% TK100 0603 R346 RG 470R +-1% TK100 0603 R346 RG 470R +-1% TK100 0603 R356 RG 470R +-1% TK100 0603 R356 RG 470R +-1% TK100 0603 R356 RG 470R +-1% TK100 0603 R356 RG 470R +-1% TK100 0603 R356 RG 470R +-1% TK100 0603 R356 RG 470R +-1% TK100 0603 R356 RG 470R +-1% TK100 0603 R356 RG 470R +-1% TK100 0603 R356 RG 470R +-1% TK100 0603 R356 RG 470R +-1% TK100 0603 R356 RG 470R +-1% TK100 0603 R356 RG 470R +-1% TK100 0603 R356 RG 48025 +-1% TK100 0603 R356 RG 48025 +-1% TK100 0603 R356 RG 48025 RG 48	
R341 R341 R8 470R +11/5 100 0603 SMD RESISTOR E1A0603 R6 470R +11/5 11/5 100 0603 SMD RESISTOR E1A0603 R6 470R +11/5 11/5 100 0603 SMD RESISTOR E1A0603 R6 0009.6976.00 DRALORIC CR 0603 SMD RESISTOR E1A0603 R6 0009.7043.00 DRALORIC CR 0603 SMD RESISTOR E1A0603 R6 0009.7043.00 DRALORIC CR 0603 SMD RESISTOR E1A0603 R6 0009.7043.00 DRALORIC CR 0603 SMD RESISTOR E1A0603 R6 0009.7043.00 DRALORIC CR 0603 SMD RESISTOR E1A0603 R6 0009.7043.00 DRALORIC CR 0603 SMD RESISTOR E1A0603 R6 0009.7043.00 DRALORIC CR 0603 SMD RESISTOR E1A0603 R6 0009.7043.00 DRALORIC CR 0603 SMD RESISTOR E1A0603 R6 0009.7043.00 DRALORIC CR 0603 SMD RESISTOR E1A0603 R6 0009.7043.00 DRALORIC CR 0603 SMD RESISTOR E1A0603 R6 0009.7043.00 DRALORIC CR 0603 SMD RESISTOR E1A0603 R6 0009.7043.00 DRALORIC CR 0603 SMD RESISTOR E1A0603 R6 0	
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	Comp. No.	Designation			Stock No.	Manufacturer	De	signation	conta	ned in
	R479	RG 10R +-1% TK 100	0603	RG	0009.5328.00	PHILIPS_CO	RC :	22 H		
	484 R485	SMD RESISTOR EIAO60 RG 680R +-1% TK100	ਰ 0603		0009.6982.00	PHILIPS_CO	RC :	22 H		
	R486	SMD RESISTOR EIAO60 RG 680R +-1% TK100	3 0603		0009.6982.00	PHILIPS CO	RC :	22 H		
	R487	SMD RESISTOR EIAO60 RG 100R +-1% TK100		pΩ	0009.5334.00					
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	R488	RG 10R +-1% TK100 SMD RESISTOR EIA060	0603 3	RG	0009.5328.00	PHILIPS_CU	RC	22 H		
	R489	RG 5R62 +-1% TK250 SMD RESISTOR EIAO60	0603 3		0009.9100.00	DRALORIC	CR (0603		
	R490	RG 82,5 OHM+-1%TK10	0 0603		0009.9052.00	DRALORIC	CR	0603		
	R491	SMD RESISTOR EIAO60 RG 5R62 +-1% TK250	0603		0009.9100.00	DRALORIC	CR	0603		
	R492	SMD RESISTOR EIAO60 RG 5R62 +-1% TK250	0603		0009.9100.00	DRALORIC	CR (0603		
	R494	SMD RESISTOR EIAO60 RS 0,25W2OOKDHM+-20		RS	0007.9684.00	BI_TECHNOL	23	B R TR		
	R495	POTENTIOMETER RS 0,25W2OOKOHM+-20			0007.9684.00					
	R496	POTENTIOMETER RS 0,25W10K0HM +-20			0007.9649.00					
		POTENTIOMETER		κJ				•		
	R497	RG 150R +-1% TK100 SMD RESISTOR EIA060			0009.6947.00	_		Α.,	İ	
	R498	RG 220R +-1% TK100 SMD RESISTOR EIA060	0603 3		0009.6953.00	DRALORIC	CR (0603		
	R499	RG 150R +-1% TK100 SMD RESISTOR EIA060	0603 3		0009.6947.00	PHILIPS_CO	RC :	22 H		
	R500	RG 182 OHM+-1%TK10 SMD RESISTOR EIAO60	0 0603		0009.9130.00	DRALORIC	CR (0603		
	R501	RG 150R +-1% TK100	0603		0009.6947.00	PHILIPS_CO	RC :	22 H		
	506 R507	SMD RESISTOR EIAO60 RG 1K5 +-1% TK100	0603		0009.6999.00	DRALORIC	CR (0603		
	R508	SMD RESISTOR EIAO60 RG 5K62 +-1% TK100	3 0603		0010.8433.00	DRALORIC	CR (0603		
aften r.	R509	SMD RESISTOR EIAO60 RG 1K5 +-1% TK100	3 0603		0009.6999.00			0603		
riage behali Rechte vor.	R510	SMD RESISTOR EIAO60 RG 2K2 +-1% TK100	3 0603		0009.7008.00					
Unterlage behalten alle Rechte vor.	R511	SMD RESISTOR EIAO60 RG 5K62 +-1% TK100			0010.8433.00					
s Unte s alle		SMD RESISTOR EIAO60	3					0603		
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FÜ.	R513 518	RG 10K +-1% TK100 SMD RESISTOR EIA060	0603 3	RG	0009.5357.00	PHILIPS_CO	RC :	22 H		
	R519	RG 5K62 +-1% TK100 SMD RESISTOR EIA060	0603 3		0010.8433.00	DRALORIC	CR (0603		
	R520	RG 10K +-1% TK100 SMD RESISTOR EIA060	0603	RG	0009.5357.00	PHILIPS_CO	RC :	22 H		
	R521	RG 3K3 +-1% TK100	0603		0009.7014.00	DRALORIC	CR (0603		
	R522	SMD RESISTOR EIAO60 RG 3K3 +-1% TK100	0603		0009.7014.00	DRALORIC	CR (0603		
	R523	SMD RESISTOR EIAO60 RG 1K5 +-1% TK100	3 0603		0009.6999.00	DRALORIC	CR (0603		
	R524	SMD RESISTOR EIAO60 RG 680R +-1% TK100	3 0603		0009.6982.00	PHILIPS CO	RC 2	22 H		
	R525	SMD RESISTOR EIAO60 RG 5K62 +-1% TK100			0010.8433.00	_		0603		
	R526	SMD RESISTOR EIAO60 RG 3K3 +-1% TK100			0009.7014.00			0603		
		SMD_RESISTOR EIAO60	3							
	R527	RG 2K2 +-1% TK100 SMD RESISTOR EIAO60			0009.7008.00					
	R528	RG 5K62 +-1% TK100 SMD RESISTOR EIA060			0010.8433.00			0603		
	R529	RG 5K62 +-1% TK100 SMD RESISTOR EIA060	0603 3		0010.8433.00	DRALORIC	CR (0603		
	R530	RK SMD-HEISSL.100K SMD-NTC-RESISTOR	1206		0008.9236.00	SIEMENS	B576	621-C104-J		
	R531	RG 10K +-1% TK100	0603	RG	0009.5357.00	PHILIPS_CO	RC :	22 H		
	R532	SMD RESISTOR EIAO60 RK SMD-HEISSL.100K	1206		0008.9236.00	SIEMENS	B57	621-C104-J		
	R533	SMD-NTC-RESISTOR RG 15R +-1% TK100	0603		0009.6899.00	DRALORIC	CR (0603		
	535	SMD RESISTOR EIAO60	3							
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R600	RG 33K +-1% TK100 0603	0009.7066.00	PHILIPS_CO RC	22 H	
R601	SMD RESISTOR EIAO603 RG 22K +-1% TK100 0603	0009.7050.00	DRALORIC CR	0603	
	SMD RESISTOR EIAO603				
R602	RG 3KO1+-1% TK100 0603 SMD RESISTOR EIA0603	0010.9298.00	DRALURIC CR	0603	
R603	RG 100K +-1% TK100 0603	RG 0009.5363.00	DRALORIC CR	0603	
606 R607	SMD RESISTOR EIAO603 RG 100K +-1% TK100 0603	RG 0009.5363.00	DRALORIC CR	0603	
1,007	SMD RESISTOR EIAO603		S.W.Z.G.K.I'G		
R608	NICHT BESTUECKT/NOT FITTE RG 3K92 +-1% TK100 0603	0010 8427 00	PHILIPS_CO RC	22 H	
1 11000	SMD RESISTOR EIAO603				
R609	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5357.00	PHILIPS_CO RC	22 H	
R610	RG 10K +-1% TK100 0603	RG 0009.5357.00	PHILIPS_CO RC	22 H	
R611	SMD RESISTOR EIAO603 RG 22K +-1% TK100 0603	0009.7050.00	DRALORIC CR	0603	
	SMD RESISTOR EIAO603				
R612	RG 100K +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5363.00	DRALORIC CR	0603	
R613	RG 33K +-1% TK100 0603	0009.7066.00	PHILIPS_CO RC	22 H	
R614	SMD RESISTOR EIAO603 RG 10K +-1% TK100 0603	RG 0009.5357.00	PHILIPS OF RO	22 H	
1	SMD RESISTOR EIAO603			Ť	
R615	RG 3K92 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8427.00	PHILIPS_CO RC	22 H	
R616	RG 18K2+-1% TK100 0603	0010.9317.00	DRALORIC CR	0603	
R617	SMD RESISTOR EIAO603 RG 10K +-1% TK100 0603	RG 0009.5357.00	פתוודף כח פר	22 H	
1	SMD RESISTOR EIAO603				
R618	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5357.00	PHILIPS_CO RC	22 H	
R619	RG 1KO +-1% TK100 0603	RG 0009.5340.00	PHILIPS_CO RC	22 H	
R620	SMD RESISTOR EIAO603 RG 10K +-1% TK100 0603	RG 0009.5357.00	PHILIPS CO RC	22 H	\
624	SMD RESISTOR EIAO603		1		
R625	RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603	0009,7020.00	PHILIPS_CO RC	22 H	
R626	RG 7K5 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8440.00	PHILIPS_CO RC	22 H	
R627	RG 10K +-1% TK100 0603	RG 0009.5357.00	PHILIPS_CO RC	22 H	
R628	SMD RESISTOR EIAO603 RG 10K +-1% TK100 0603	RG 0009.5357.00	PHILIPS CO RC	22 H	
	SMD RESISTOR EIAO603		_		
R629	RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7020.00	PHILIPS_CO RC	22 H	
R630	RG 7K5 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8440.00	PHILIPS_CO RC	22 H	
R631	RG 4K7 +-1% TK100 0603	0009.7020.00	PHILIPS_CO RC	22 H	
R632	SMD RESISTOR EIAO603 RG 10K +-1% TK100 0603	RG 0009.5357.00	DUTI TOS CO DO	າາ ພ	
	SMD RESISTOR EIAO603				
R633	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5357.00	PHILIPS_CO RC	22 H	
R634	RG 7K5 +-1% TK100 0603	0010.8440.00	PHILIPS_CO RC	22 H	
R635	SMD RESISTOR EIAO603 RG 10K +-1% TK100 0603	RG 0009.5357.00	PHILIPS ON RC	22 H	
	SMD RESISTOR EIAO603				Ī
R636	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5357.00	HHILIPS_CO RC :	22 M	
R637	RG 7K5 +-1% TK100 0603	0010.8440.00	PHILIPS_CO RC	22 H	
R638	SMD RESISTOR EIAO603 RG 4K7 +-1% TK100 0603	0009.7020.00	PHILIPS_CO RC	22 H	
R639	SMD RESISTOR EIAO603 RG 4K7 +-1% TK100 0603		PHILIPS_CO RC	III.	
	SMD RESISTOR EIAO603				
R640	RG 7K5 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8440.00	PHILIPS_CO RC	22 H	
R641	RG 10K +-1% TK100 0603	RG 0009.5357.00	PHILIPS_CO RC	22 H	
644 R645	SMD RESISTOR EIAO603 RG 4K7 +-1% TK100 0603	0009.7020.00	PHILIPS_CO RC	22 H	
1	SMD RESISTOR EIAO603				
R646	RG 10K +-1% TK100 0603 SMD RESISTOR EIAO603				
R647	RG 10K +-1% TK100 0603 SMD RESISTOR EIAO603	RG 0009.5357.00	PHILIPS_CO RC	22 H	
	SHO RESISTOR LINCOUS				
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	R710	RG 30,1 OHM+-1% SMD RESISTOR EI				0009.9081.00	PHILIPS_CO	RC 2	2 H			
ı	716 R717	RG 10K +-1% TK1	00	0603	RG	0009.5357.00	PHILIPS_CO	RC 2	2 H	.		1
	R718	SMD RESISTOR EI		0603		0010.9317.00	DRALORIC	CR O	603			
	1	SMD RESISTOR EI	A060	3				CR O	603			1
	R719 725	RG 15K +-1% TK1 SMD RESISTOR EI		0603 3		0009.7043.00						
	R726	RG 18K2+-1% TK1	00	0603		0010.9317.00	DRALORIC	CR O	603			1
	R727	SMD RESISTOR EI RG 20K +-1% TK	100	0603		0010.9100.00	PHILIPS_CO	RC 2	2 H			- [
	R728	SMD RESISTOR EI RG 20K +-1% TK	A060	0603		0010.9100.00	PHILIPS CO	RC 2	12 H			1
ļ		SMD RESISTOR EI	A060	03								I
١	R729	RG 220R +-1% TK SMD RESISTOR EI		0603 03		0009.6953.00	DRALUKIC	CR O				1
	R730	RG 18K2+-1% TK1	00	0603		0010.9317.00	DRALORIC	CR O	603			
	R731	SMD RESISTOR EI RG 3K3 +-1% TK1	00	0603		0009.7014.00	DRALORIC	CR O	603			1
1	R732	SMD RESISTOR EI RG 15K +-1% TK1		0603		0009.7043.00	DRALORIC	CR O	603			- 1
		SMD RESISTOR EI	A060	03		0009.9052.00		CR O	1603			
	R733	RG 82,5 OHM+-1% SMD RESISTOR EI	A060	03								
ı	R734	RG 82,5 OHM+-1% SMD RESISTOR EI	TK 10 AO60	00 0603 03		0009.9052.00	DRALURIC	CR O	0603			
	R735	RG 100R +-1% TK	100	0603	RG	0009.5334.00	PHILIPS_CO	RC 2	22 H			1
	R736	SMD RESISTOR EI RG 56R +-1% TK1	00	0603		0009.9646.00	DRALORIC	CR O	603			
	R737	SMD RESISTOR EI RG 47R +-1% TK1		0603		0009.6924.00	PHILIPS CO	RC 2	2 H			
		SMD RESISTOR EI	A060	03		0009.9646.00		CR C				
	R738	RG 56R +-1% TK1 SMD RESISTOR EI	A060									4
	R739	RG 1K5 +-1% TK1 SMD RESISTOR EI		0603 03		0009.6999.00	DRALORIC	CR C	603			1
- 1	R740	RG 18K2+-1% TK1	00	0603		0010.9317.00	DRALORIC	CR C	603			
اة	R741	SMD RESISTOR EI RG 30K1+-1% TK1	00	0603		0010.9281.00	PHILIPS_CO	RC 2	22 H			1
te v	746 R747	SMD RESISTOR EI RG 33K +-1% TK1		03 0603		0009.7066.00	PHILIPS CO	RC 2	22 H			Ì
alle Rechte vor.	R748	SMD RESISTOR EI RG 82,5 OHM+-1%	A06	03		0009.9052.00		CR C				
s alle		SMD RESISTOR EI	A06	03								l
ir uns	R749	RG 100R +-1% TK SMD RESISTOR EI			RG	0009.5334.00	PHILIPS_CU	RC 2	22 H	0,0		
wir	R750	RG 100R 1% 1W SMD RESISTOR		1218		1104.2740.00	PHILIPS_CO	PRC2	201-100R	1% TK 100		l
	R751	RG 100R 1% 1W		1218		1104.2740.00	PHILIPS_CO	PRC2	201-100R	1% TK 100		ŀ
	R752	SMD RESISTOR RG 39R2 +-1% TK	100	0603		0010.9400.00	DRALORIC	CR C	603			
	R753	SMD RESISTOR EI				0010.9400.00	DRALORIC	CR C	0603			
1	10750	SMD RESISTOR EI	A06	03		0070.0						İ
	R754	NICHT BESTUECKT RG 35,7 OHM+-1%				0009.9000.00	PHILIPS_CO	RC 2	22 H			
	756 R757	SMD RESISTOR EI				0010.9123.00	DRALORIC	CR C	0603			l
		SMD RESISTOR EI	A06	03								1
	R758	RG O-OHM WIDERS SMD RESISTOR EI	30A	03		0009.9369.00						
	R759	RG O-OHM WIDERS				0009.9369.00	PHILIPS_CO	RC21	O OHM			
		NICHT BESTUECKT										I
	R760	NOT FITTED RG O-OHM WIDERS				0009.9369.00	PHILIPS_CO	RC21	O OHM			
		SMD RESISTOR EX		03								j
	D764	NOT FITTED RG O-OHM WIDERS		n 0603		0009.9369.00	מסד ידשם	BC2.	1 A AHM			
	R761	SMD RESISTOR ET	[A06			0009.9309.00	1711217500	1102	0 0/11/1			
		NICHT BESTUECK	ſ									
	R762	RG 30,1 OHM+-1;				0009.9081.00	PHILIPS_CO	RC 2	22 H			
	R763	SMD RESISTOR ET	(250	0603		0009.9117.00	DRALORIC	CR (0603			
		SMD RESISTOR E	IAOE	03								
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	R817	RG 10K +-1% TK1 SMD RESISTOR EI			RG	0009.5357.00	PHILIPS_CO	RC 2	2 H		
	R818	RG 7K5 +-1% TK	100	0603		0010.8440.00	PHILIPS_CO	RC 2	2 H		
	R819	SMD RESISTOR EI		0603	RG	0009.5357.00	PHILIPS_CO	RC 2	2 H		
	R820	SMD RESISTOR EI		0603		0009.7020.00	PHILIPS_CO	RC 2	2 H		
١		SMD RESISTOR EI RG 15K +-1% TK1	A06	- 1		0009.7043.00		CR O			
	R821 823	SMD RESISTOR EI	A06	o3							
	R824	RG 68R +-1% TK1 SMD RESISTOR EI		0603 03		0009.6930.00		CR O			
	R825	RG 47K +-1% TK1 SMD RESISTOR EI		0603		0009.7072.00	PHILIPS_CO	RC 2	2 H		
	R826	RG 47K +-1% TK1	00	0603		0009.7072.00	PHILIPS_CO	RC 2	2 H		
	R827	SMD RESISTOR EI RG 150K +-1% TK	100	0603		0009.7095.00	PHILIPS_CO	RC 2	2 H		
١	R828	SMD RESISTOR EI RG 150K +-1% TK	100	0603		0009.7095.00	PHILIPS_CO	RC 2	2 H		
	R829	SMD RESISTOR EI RG 8K25 +-1% TK		0603		0010.8456.00	PHILIPS_CO	RC 2	2 H		
	R830	SMD RESISTOR EI RG 8K25 +-1% TK		0603		0010.8456.00	PHILIPS CO	RC 2	2 H		
		SMD RESISTOR EI	A06	1		0010.9100.00					
	R831	SMD RESISTOR EI	A06	03							
	R832	RG 20K +-1% TK SMD RESISTOR EI		0603 03		0010.9100.00					
	R833	RG 470R +-1% TK SMD RESISTOR EI				0009.6976.00	DRALORIC	CR C	0603		
	R834	RG 470R +-1% TK SMD RESISTOR EI	100	0603		0009.6976.00	DRALORIC	CR C	0603		
	R835	RG 10K +-1% TK1 SMD RESISTOR EI	00	0603	RG	0009.5357.00	PHILIPS_CO	RC 2	2 H		
	R836	RG 470R +-1% TK	100	0603		0009.6976.00	DRALORIC	CR C	603		
	R837	SMD RESISTOR EI	00	0603	RG	0009.5357.00	PHILIPS_CO	RC 2	2 H		
vor.	839 R840	SMD RESISTOR EI RG 1K5 +-1% TK1		0603		0009.6999.00	DRALORIC	CR C	603		
		SMD RESISTOR EI	A06	03							
e Kechte	U1 6	BJ DACO8CS D/A-CONVERTER		1X8-DAC		6024.3137.00	PMI	DACC	08C(S)		
15 2110	U7		LP	COMPAR		0520.7734.00	SIGNETICS	LM29	03(D)		
wir uns	U8	BM SM4T17-2 MI	XER	3,4GHZ		1085.1503.00	WATKINS-JO	WJ-S	SM4T 17-2		
		MIXER	_	-W 301		222 2222 22	01171 700	D 71/5	CD 41/7		
	V1	AE BZV55/C4V7 ZENER DIODE		5W ZDI		0006.9822.00			55B4V7		
	V2 18	AK BC860B P TRANSISTOR	45V	200MA	AK	0007.7975.00	MOTOROLA	BC86	6OB		
	V19	AE BAR64-04 CA SILICON PIN DIC		2X PIN		1039.1327.00	SIEMENS	BARE	3404 (Q62702-A101		
	V20	AK BC860B P TRANSISTOR	45V	200MA	ΑK	0007.7975.00	MOTOROLA	BC86	SOB		
	V21		45V	200MA	AK	0007.7975.00	MOTOROLA	BC86	бов		
	V22	AE BAR64-04 CA		2X PIN		1039.1327.00	SIEMENS	BARE	3404 (Q62702-A101		
	V23			200MA	AK	0007.7975.00	MOTOROLA	BC86	бов		
	31 V32	TRANSISTOR AE BAR64-04 CA		2X PIN		1039.1327.00	SIEMENS	BAR	6404 (Q62702-A101		
	55 V56	SILICON PIN DIC AE BZV55/C5V6	DE O.	5W ZDI	ΑE	0006.9845.00	PHILIPS	BZVS	55B5V6		
	V57	ZENER DIODE AE BAT15-03W	S	CHOTTKY		1085.1526.00	SIEMENS	BAT 1	15-03W (-A1104)		
	63 V64	SCHOTTKY DIODE	75V	UDI	AD	0007.4924.00	VALVO	BAS	16 (A6P)		
	, . 79 V80	HIGH-SPEED DIO	ÞΕ	200MA		0007.7975.00		BC86			
		TRANSISTOR				0007.4924.00			16 (A6P)		
	V81	HIGH-SPEED DIO		UDI	ĺ						
	V82	HIGH-SPEED DIO		UDI		0007.4924.00			16 (A6P)		
	V83	AK BC860B P TRANSISTOR	45\	/ 200MA	AK	0007.7975.00	MOTOROLA	BC86	OOR		
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F	V84	AD BAS16 75V	1	UDI	AD :	0007.4924.00	VALVO	BAS16	(A6P)		
l	90 V91	HIGH-SPEED DIODE AM CFY30 P-E	5V	GAASF		1068.9622.00	SIEMENS	CFY30	(-F97)		
	96 V97	O.1-12GHZ GAAS FE AK BC860B P 45	ET 5V 2	AMOOS	AK ·	0007.7975.00	MOTOROLA	BC8608	3		1
ı	V98	TRANSISTOR AK BC860B P 45	5V 2	2OOMA	ΑK	0007.7975.00	MOTOROLA	BC8608	3		
	V99	TRANSISTOR AD BAS16 75V	,	UDI	AD	0007.4924.00	VALVO	BAS16	(A6P)		
		HIGH-SPEED DIODE		GAASF		1068.9622.00	SIEMENS	CFY30	(-F97)		
١	V100 102	O. 1-12GHZ GAAS FE	ΞT			0007.4924.00	1	BAS16	(A6P)		
	V103	HIGH-SPEED DIODE		ì		0007.4924.00		BAS16	(A6P)		
	V104	AD BAS16 75V		1		0007.4924.00			(A6P)		
	V105	AD BAS16 75 HIGH-SPEED DIODE			ΑU	1085.1655.00	1				
	V106	AM SHFO186K O.5-4GHZ GAAS FE	Т	GAASF							
	V107	AM SHF0186K 0.5-4GHZ GAAS FE	T	GAASF		1085.1655.00		SIN U	10004200710		
	V108	AM SHF 186 SELECTRANSISTOR GAASE	TED	IP3		1085.2239.00			ADOKADODED :		
	V109	AM SHFO186K O.5-4GHZ GAAS FE	9٧	GAASF		1085.1655.00		SHF-0	1186K42301K		Ì
۱	V110	AE BZV55/C4V7	0.5	w ZDI	ΑE	0006.9822.00	PHILIPS	BZV55	6B4V7		
	113 V114		100	v MOSF		0815.7961.00	SIEMENS	BSS 1	23 (-S512)		
ı	V115	i e	100	V MOSF		0815.7961.00	SIEMENS	BSS 1	23 (-\$512)		
	V116	FET AD BAV99 75	V D	UO UDI	ΑD	0911.0092.00	VALVO	BAV99)		1
	118 V119	HIGH-SPEED DOUBL AE BZV55/C5V6	E D 0.5	W ZDI	ΑE	0006.9845.00	PHILIPS	BZV55	5B5V6		
	V120	ZENER DIODE AE BZV55/C5V6	0.5	W ZDI	ΑE	0006.9845.00	PHILIPS	BZV55	5B5V6		1
ا ي	V121	ZENER DIODE AE BAR64		1X PIN		1039.3059.00	SIEMENS	BAR64	4 (Q62702A1041)		
ite vor.	123 V124	SILICON PIN DIOD AE BZV55/C5V1)E 0.5	W ZDI	AE	0006.9839.00	PHILIPS_SE	BZV55	5B5V1 (GEG)		
alle Rechte	V125	ZENER DIODE		200MA	AK	0007.7975.00	MOTOROLA	BC860	DΒ		
is all	V126	TRANSISTOR		200MA	AK	0007.7969.0	VALVO	BC850	OB		
wir uns	V 120	TRANSISTOR NICHT BESTUECKT/				-					
	V127	AK BC850B N 4	15V	200MA	AK	0007.7969.0	O VALVO	BC850	OB		
	130 V131	TRANSISTOR AE HSMS2800	SCH	HOTTKY	AE	0836.8421.0	O HEWLETT_P	A HSMS	-2800(#L31)		
l	144 V145	SCHOTTKY DIDDE AE BAR64	.	1X PIN		1039.3059.0	OSIEMENS	BAR6	4 (Q62702A1041)		}
	V146	SILICON PIN DIO		HOTTKY	AE	0836.8421.0	O HEWLETT_P	A HSMS	-2800(#L31)		
	V147	SCHOTTKY DIODE AK BFP450 NPN 4	,5۷	100MA		4048.1483.0	O SIEMENS	BFP4	50 (-F1590)		
İ	150 V151	RF-TRANSISTOR NI AK BCP68-16 N	20V	TRANS		0008.2019.0	O PHILIPS	вср6	8-25		
	V152	MEDIUM POWER TRA	20V	TRANS		0008.2019.0	O PHILIPS	вср6	8-25		
	V153	MEDIUM POWER TRA AE BB833 9,3/0	ANS	ISTOR		1051.4751.0	O SIEMENS	BB83	3 (-B628)		
	185 V186	VARACTOR AK BFP450 NPN 4				4048.1483.0	O SIEMENS	BFP4	50 (-F1590)		İ
	V187	RF-TRANSISTOR N AE BB535 18,7/	PN			1039.3107.0	SIEMENS	BB53	5/Q62702-B580	Ì	
	192 V193	TUNING DIODE AM SI9410DY N-E				1081.0354.0	O SILICONIX	\$194	10DY		
	V 130	MOSFET NICHT BESTUECKT									
	V194	AM SI9410DY N-E	3	OV MOSF		1081.0354.0	SILICONIX	S194	10DY		
	197 V198	MOSFET AE BB639 2.9/3	6.0	P CDI		4032.4265.0	OOSIEMENS	BB63	39(-8586)		
	201 V202	TUNING DIODE AE BAR64-04 CA) DE	2X PIN		1039.1327.0	OO SIEMENS	BAR	6404 (Q62702-A10	01	
	V205		45V	/ 200MA	A	K 0007.7975.	DO MOTOROLA	BC86	60B		
		TRANSISTOR									
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æ	1GPK	887 3PLU	Äl	Date	-	Pari	s list for	· · · · · · · · · · · · · · · · · · ·	Stock No		Page
0026-0893	%		24	07.10.9	9	EE IQ-CONVE	RTER		1084.9300.	UT SA	40+
3.002	ROH	DE&SCHWARZ				IO-CONVERTE	R	•			ļ

	Comp. No.	Designation	Stock No.	Manufacturer	Designation	Contempo to
ſ	V206	AD BAS16 75V UDI	AD 0007.4924.00	VALVO B	AS16 (A6P)	
	208 V209	AE HSMS2800 SCHOTTKY	AE 0836.8421.00	HEWLETT_PA H	SMS-2800(#L31)	
1	211 V212	SCHOTTKY DIODE AE BB833 9,3/0,75PF CDI	1051.4751.00	SIEMENS B	B833 (-B628)	
	217 V218	VARACTOR AE BB535 18,7/2,1P CDI TUNING DIODE	1039.3107.00	SIEMENS B	B535/Q62702-B580	
	W22	DW HF-KABEL W2	1084.9398.00			
	X1	FJ EINLOETBUCHSE MMCX SMD CONNECTOR	1075.4045.00	SUHNER 8	2MMCX-S50-0-51/1110	
	X220	FP STECKERLEISTE 32POL.	FP 0008.5718.00	DEUT_ELCO 1	6 8457 064 002 027	
	X221	CONNECTOR 32P. FJ EINLOETBUCHSE SMA	1085.1726.00	SUHNER 8	2SMA-S-50-0-45/111N	
	X223	CONNECTOR FJ EINLOETBUCHSE MMCX	1085,1532.00	SUHNER 8	2MMCXS50-0-2/111KG	
	X227	CONNECTOR FJ EINLOETBUCHSE SMA	1085.1726.00	SUHNER 8	2SMA-S-50-0-45/111N	
	X22A	CONNECTOR FJ EINLOETBUCHSE MMCX SMD	1085.2045.00	SUHNER 8	2 MMCX-50-0-8/111	
	Х22В	CONNECTOR FJ EINLOETBUCHSE MMCX SMD CONNECTOR	1085.2045.00	SUHNER 8	2 MMCX-50-0-8/111	
	Z1	LD T-FILTER 3,3NF SMD	1039.1362.00	MURATA N	FM61R2OT332T1	
ı	9 Z10	SMD-FILTER LD T-FILTER 100PF SMD	1039.1356.00	MURATA N	FM61ROOT101T1	
	15 Z16	SMD-FILTER LD PI-FILTER 2X1NF SMD	4024.7152.00	TUSONIX 4	700-003	
	18	SMD-CERAMIC-PI-FILTER	, , , , , , , , , , , ,			
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Datum Date 1GPK 887 3PLU ichaltteilliste für Parts list for Stock No. Äl Page 1084.9300.01 SA ROHDE&SCHWARZ 41-24 07.10.99 EE IQ-CONVERTER IQ-CONVERTER



XY-Liste

XY List

Erklärung der Spaltenbezeichnungen:

el. Kennz. Bauelement-Kennzeichen

Seite Leiterplatten-Seite, auf der sich das

Bauelement befindet

X/Y Koordinaten (in Millimeter) des Bauelementes auf der

Leiterplatte bezogen auf den Nullpunkt

Planq., Bl. Planquadrat und Seite des Schaltbildes

für das jeweilige Bauelement

Explanation of column designations:

Part Identification of instrument part

Side Side of the PC board on which instrument part is

positioned

X/Y Coordinates (in units of millimeters) of the component

on the PC board in reference to zero point

Sqr, Pg Square and page of the diagram for

the respective instrument part

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				:
			A.	
				:

Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

IVIC			1	Plane	BI.	el. Kennz			NOIL	Planq.	BI.	Т	el. Kennz.	Seite			Plang.	BI.
el. Kennz. P <i>art</i>	Seite Side	Х	Y	Planq.	BI. Pg	Part	Side	Х	Y	Sgr	Pg		Part	Side	X	Y	Sqr	Pg
C1	В	107	51	4C	16	C75	В	192	62	6C	11	ľ	C149	В	85	110	2D	6 0
C2	В	112	51	4D	16	C76 C77	B	200 202	82 79	7A 7A	11 11	١	C150 C151	A	30 48	94 95	8F 8E	2
03 04	B	128 123	41	4D 4E	16 16	C78	B	174	61	5D	11	1	C152	A	33	101	9D	2
)4)5	В	293	89	7B	8	C79	B	264	77	7B	12	-	C153	Α	30	90	7E	2
6	В	293	82	8B	8	C80	В	265	82	7A	12	١	C154	A	36	87 107	7D 3E	2 5
7	В	106	135	7C	6	C81 C82	B	239 241	79 76	5C 5C	12 12	-	C155 C156	A	19 35	117	6E	5
8 9	B B	109	131	7C 6B	6 8	C83	В	252	80	6C	12	-	C157	Α	34	122	6F	5
9 10	В	78	24	5C	3	C84	В	252	76	6B	12	-1	C158	В	53	129	10C	5
211	В	45	48	3C	4	C85	В	155	85	4C	11	1	C159	A	57	114	10D 8D	5
12	В	235	129	7B	7	C86 C87	ВВ	163 163	66	3A 3A	11	1	C160 C161	A	52 58	131	8E	5
13	В	293 106	93	7B 6C	8	C88	В	164	85	4C	11	1	C162	A	24	131	4F	5
:14 :15	B	19	50	4D	2	C89	В	291	26	6B	13	1	C163	Α	22	135	4E	5
16	В	20	56	4D	2	C90	В	294	12	6D	13	١	C164	A	21	87	2E	5
17	В	19	60	5D	2	C91 C92	B	294 286	17 26	6C 6B	13 13	1	C165 C166	A	43 179	105 96	2D 4E	9
18	B	25 22	73 74	6D 6D	2 2	C92	B	286	53	2B	13		C167	A	156	100	2E	9
:19 :20	ВВ	20	32	4C	2	C94	В	291	53	2B	13	١	C168	Α	166	116	2F	9
21	В	24	28	4B	2	C95	В	257	51	2D	13	1	C169	A	196	93	4F	9
222	В	45	89	88	2	C96	B	259	54	2D 3B	13 13		C170 C171	A	204 237	96 115	4E 2F	9
23	В	36	86	8C	2	C97 C98	B B	273 269	43	3C	13		C171	A	244	105	2E	10
24 25	B	31 50	86	8C 8A	2 2	C99	B	226	109	1C	10		C173	Α	194	132	4D	7
26	В	21	36	4C	2	C100	В	238	124	8C	7		C174	A	166	132	2E	7
27	В	24	32	4A	2	C101	В	274	11	8B 8B	13 13		C175 C176	A	217 268	131	4E 2E	7 8
28	В	50	118	10B	5 5	C102 C103	ВВ	272 261	14 28	9B	13		C176	Â	216	140	3F	7
:29 :30	B	35	120 142	10A 8A	5	C104	В	266	25	9B	13		C178	A	254	139	2F	8
31	В	38	132	80	5	C105	В	85	137	4D	6		C179	A	176	141	2F	7
32	В	30	142	88	5	C106	В	91	138	4C	6		C180	A	174	67	4E 2F	11 12
33	В	35	132	8C	5	C107 C108	B B	115	141	6B 6B	6		C181 C182	A	224 220	63	2F	12
34 35	B B	13	97 95	3B 3B	5 5	C108	В	106	117	3B	6	П	C183	A	187	69	4E	11
236 236	В	24	89	3D	5	C110	В	101	117	3B	6	Ш	C184	Α	152	72	2E	11
237	В	20	93	3C	5	C111	В	87	134	4D	6		C185	A	151 188	83 62	2F 4F	11
C38	В	13	114	5A	5	C112 C113	B	86 208	128 82	4D 8C	6		C186 C187	A	260	52	8D	13
039 040	B	13	113 108	5B 4D	5 5	C114	В	274	38	4D	13	ŀ	C188	A	275	53	7D	13
340 341	В	13	103	4C	5	C115	В	285	33	5C	13	Ш	C189	A	283	50	6E	13
242	В	23	117	5C	5	C116	В	285	37	5B	13	ı,	C190	A	299	53	5E	13
243	В	28	116	5C	5	C117	В	60	55	10C	3		C191 C192	A	289 283	33	7D 7E	13
C44	В	14	133	6B	5	C118 C119	B	56 58	55 42	10C 10B	3		C192	B	248	27	10C	13
C45 C46	ВВ	13	136 122	6A 9C	5	C120	В	57	37	10A	3		C194	Ā	247	15	11E	13
046 047	В	40	119	90	5	C121	В	93	41	7C	3	П	C195	Α	263	34	11D	13
C48	В	179	92	4C	9	C122	В	40	27	2B	3		C196	A	269 288	53	8C 6D	13
C49	В	167	95	3A	9	C123 C124	ВВ	51 52	25 28	3B 3B	3		C197 C198	A	276	12	3E	13
050 051	B	167	100	3A 4C	9	C125	B	44	27	2B	3	П	C199	A	290	16	3F	13
052	В	164	114	4C	9	C126	В	73	26	4D	3		C200	A	272	37	7E	13
253	В	222	92	8A	9	C127	В	87	17	5D	3		C201	A B	259 239	41 38	7F 3D	13
C54	В	222	96	8A	9	C128 C129	B	87	12 12	4D 4D	3	ı	C202 C203	B	223	43	7F	14
055 056	B	209	108	6B 6C	9	C130	lВ	71	17	4D	3	ı	C204	В	220	50	6E	14
D57	В	271	118	6C	10	C131	В	91	20	6C	3	ı	C205	Α	112	63	8B	15
258	В	268	114	6C	10	C132	B	91	16	6C	3	١	C206	A	104	79	11B 8D	15 15
C59	В	280	108	7B	10	C133 C134	B	79 83	34	6B 6B	3		C207 C208	A	122 119	79 65	11D	15
260	В	280	112 136	7B 3C	10	C134 C135	B	89	49	8B	3		C209	Â	126	69	10E	15
061 062	ВВ	168 170	142	3C	7	C136	В	91	52	8B	3	1	C210	Α	75	77	3B	15
D63	В	180	136	4B	7	C137	В	34	60	5B	4	1	C211	A	72	73	6B	15
264	В	180	140	4B	7	C138	В	34	61	5B 4C	4	1	C212 C213	B	90	106	6B 6B	17
C65	В	217	137	6D	7	C139 C140	B	35	45 48	4C 4C	4	L	C213	Â	252	51	6A	17
C66 C67	ВВ	221	135	6C 7B	7	C140	В	52	41	3D	4	1	C215	В	252	46	6A	17
268	B	234	135	7B	7	C142	В	50	50	3D	4	П	C216	A	107	113	7C	17
369	В	187	136	4C	7	C143	В	39	38	3D	4	1	C217	A	99	109	6C 6C	17
270	В	296	109	6B	8	C144 C145	ВВ	34 58	55 115	5E	5	1	C218 C219	B	169	63	6F	17
271	B	299	107	6B 5C	8	C145	В	160	108	2C	9		C220	Â	254	125	7E	17
C72 C73	8	286 279	123 123	5D	8	C147	В	297	23	6C	13	ı	C221	Α	246	128	6E	17
C74	В	191	68	6C	11	C148	В	254	15	10C	13		C222	В	211	61	6D	17
						FEIO	CON	NED	CED			0	Porache:	1	Blot-		Aoi:	
(l Do	nennu signat	. •							Sprache: .ang.:		Blatt: Sh.:	4 .	Aei: C.I.:	4.00
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Abteilung: 1GPK

Datum: 99-02-03

Typ: Type: SMIQ

Name: BU Name:

Sachnr.: 1084.9300.01 XY

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Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

Nici				i mi-	- C - T	al 1/	0-22			Diese	ום ו	1	. Kennz.	Spital			Plang.	BI.
el. Kennz.	Seite <i>Side</i>	X	Y	Planq.	ВІ. <i>Рд</i>	el. Kennz Part	Seite Side	х	Y	Planq. Sar	BI. Pg		,	Side	×	Υ	Sgr	Pg
Part C223		251	93	8E	17	C297	A	96	90	8B	15	T	371	В	133	112	11B	6
C224		255	93	9E	17	C298	Α	112	90	10B	15		372	A	234	107	1E	10
C225	Α	197	66	9E	17	C299	A	127	91	8D	15 15		373 374	ВВ	273 280	114 99	6C 7C	10 10
C226	A	200	63 74	10E 9C	17 17	C300 C301	A	127 82	78 78	10D 2B	15		2375	В	271	92	8C	10
C227 C228	A	57 91	57	9D	17	C302	В	111	119	8C	6	(376	В	282	85	8C	10
C229	В	83	60	9D	17	C303	В	120	126	8C	6		377	В	193	94	5B	9
C230	Α	47	28	10D	17	C304	В	107	138	6C	6		2378 2379	B B	165 171	106 106	2B 3B	9
C231	В	74 149	60 62	10D 6F	17 17	C305 C306	ВВ	87 94	122 126	4D 4C	6		2380	В	176	106	4B	9
C232 C233	A B	58	87	10A	17	C307	В	99	114	2C	6		2381	В	35	98	2C	5
C234	В	63	101	10B	17	C308	В	119	109	9B	6		382	В	214	110	7B	9
C235	Α	54	87	10A	17	C309	В	131	121	10B	6		0383 0384	ВВ	174 225	136 137	3C 7C	7
C236	A	58 53	89 99	10A 11B	17 17	C310 C311	B	129 93	126 36	10B 7C	6 3		2385	В	300	114	6C	8
C237 C238	A	51	99	10B	17	C312	В	37	22	20	3		386	В	172	77	4B	11
C239	A	113	141	5F	6	C313	В	48	15	3C	3		2387	В	166	77	3B	11
C240	Α	108	131	5E	6	C314	В	68	15 26	4C 6B	3 3		0388 0389	В	161 196	77 69	3B 6B	11 11
C241	A	293 92	35 127	8D 3E	13	C315 C316	B	84 82	44	7C	3		2390	В	27	96	2C	5
C242 C243	A	80	135	3F	6	C317	В	86	46	88	3		391	В	241	65	5C	12
C244	A	265	35	7E	13	C318	В	61	45	10B	3		2392	В	245	80	5C	12
C245	В	107	119	8D	6	C319	В	36	56	5B	4		0393 0394	ВВ	249 257	62 66	6C 7B	12 12
C246	В	101	127 129	7D 7D	6	C320 C321	A	105 77	71 89	4F 5A	14 15		2394 2395	В	289	13	6C	13
C247 C248	8 A	98 121	113	9D	6	C322	A	93	89	8A	15		2396	В	279	24	6C	13
C249	Α	61	60	6E	3	C323	Α	108	89	11A	15		2397	В	263	49	2D	13
250	Α	79	16	3E	3	C324	A	123	90	8C	15		0398 0399	ВВ	283 278	44	2A 2A	13
C251 C252	A	68 42	37 23	5E 2E	3	C325 C326	A	124 77	73 76	11C 3A	15		C400	В	282	51	2C	13
0252 0253	Â	47	17	2F	3	C327	A	257	21	10D	13		2401	В	267	47	3C	13
C254	В	37	79	7C	4	C328	A	250	32	10E	13		C402	В	276	53	2C	13
C255	В	32	77	7C	4	C329	В	113	69	2E 2E	15 15		C403 C404	В	271	53 105	2D 2E	13 10
C256 C257	A B	38 20	45 117	3E 5C	5	C330 C331	B	76 50	89 126	108	5		C405	Â	235	130	7D	7
C258	В	39	126	9C	5	C332	В	20	128	6B	5	(C406	Α	237	130	7D	7
C259	В	274	19	8C	13	C333	В	277	104	7B	10		C407	В	92	126	4C	6
C260	В	151	108	1B	9	C334	B	177 178	82 63	5C 4D	11 11		C408 C409	ВВ	92 92	120	3C 3C	6
C261 C262	B	261 267	109	5B 5B	10	C335 C336	В	265	73	7B	12		C410	A	206	74	7C	11
C263	В	64	49	9B	3	C337	B	261	19	9C	13	П	C411	Α	203	78	6C	11
C264	В	89	24	6B	3	C338	A	65	121	11D	5		C412	A	286	31	3E	13
C265	В	41	53	4B	4	C339	B	81	21	5C	3		C413 C414	B	83 76	56 39	8C 8C	3
C266 C267	A B	65 57	126	11D 10D	5 5	C340 C341	B	42 22	45 103	4C 4C	5		C414	В	70	54	9C	3
C268	В	59	132	11D	5	C342	B	152	79	2B	11		C416	В	49	75	6C	4
C269	В	209	103	6B	9	C343	В	190	73	6B	11		C417	В	33	70	6C	4
C270	В	209	130	6C	7	C344	В	89 55	31 50	7C 10C	3 3		C418 C419	B	49 55	64 140	6C 10D	5
C271 C272	ВВ	155 202	131	2C 7B	7	C345 C346	B	41	61	5C	4		C420	В	291	87	7C	8
C272	В	137	24	2C	17	C347	В	153	76	2C	11	П	C421	Α	255	36	9E	13
C274	В	116	24	2C	17	C348	В	190	76	5B	11		C422	В	108	134	7C	6
C275	A	50	125	8D	5	C349 C350	A	177 195	94 134	3D 3D	9 7		C423 C424	B	179 154	104	4B 1B	9
C276 C277	B	18 42	110	5B 8D	5 2	C351	A	171	65	3D	11		C425	В	264	109	5B	10
C278	В	164	99	2B	9	C352	A	132	47	2D	16		C426	В	205	100	6B	9
C279	В	176	104	4B	9	C353	A	134	61	2C	16		C427	В	176	75	4B	11
C280	В	173	112	4B	9 10	C354 C355	A	123 62	107 58	9D 6E	6		C428 C429	ВВ	155 149	79 80	2C 1B	11
C281 C282	ВВ	267 181	106	5C 4B	9	C356	В	18	78	6C	2		C430	В	187	71	5B	11
C283	В	182	94	4C	9	C357	В	138	112	11B	6	П	C431	В	107	125	7D	6
C284	В	223	101	8B	9	C358	В	94	137	5C	6		C432	В	83	22	5C	3 4
C285	В	157	105	2C	9 7	C359	B	43 182	78 130	7C 4B	7		C433 C434	ВВ	41 154	48 109	4C 1B	9
C286 C287	B	190	135	4C 5C	7 7	C360 C361	В	202	130	5C	7	П	C435	В	264	110	5B	10
C288	В	294	92	7C	8	C362	В	293	78	8B	8	11	C436	В	51	15	3C	3
C289	В	169	83	4B	11	C363	В	149	131	2C	7	П	C437	Α	15	107	2E	5
C290	В	172	75	4B	11	C364	В	252	71	6B	12	П	C438 C439	A	32 18	120 135	5E 4E	5
C291	B	160	70	2B	11	C365 C366	B	14 25	31	3C 3B	2	H	G440	A	19	85	1E	5
C292 C293	ВВ	122 277	111	98 8C	6	C367	В	46	92	8B	2	11	C441	A	148	102	1E	9
C293	A	248	25	10D	13	C368	В	31	92	8C	2		C442	Α	200	96	3E	9
C295	Α	259	25	11D	13	C369	В	24	143	8B	5		C443	A	244 170	101	1E 1E	10
C296	Α	81	91	5B	15	C370	В	29	128	8C	5	Ţĺ	C444	Α	170	134		<u></u>
Á.		-			nannun	g: EE IQ-	-CON	IVERT	ER			Sn	rache:		Blatt:		Aei:	
A:\				100	nentuli	الإساسية الإسلام		** *** 13				1 7 1			1	1		

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ROHDE & SCHWARZ

Benennung: EE IQ-CONVERTER

Designation: IQ-CONVERTER

Sprache: Lang.:

Blatt: Sh.: 2+

Aei: C.I.: 04.05

Typ: Type: SMIQ

Datum: 99-02-03

Abteilung: 1GPK

Name: BU

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licht-Service-Re	elevante Bauteile	· / Non–Service–F	Relevant Compo	nents

Nict	nt—:	Serv	ice-	-Rele	evar	าte Baเ	ıtei	le / I	Von-	-Ser	vic	e-	-Rele	/an	t Co	mpo	nen	ts
el. Kennz.			Y	Planq.	BI.	el. Kennz	Seite		Υ	Planq.	Bi.	٦	el. Kennz.	Seite		Υ	Planq.	BI.
Part	Side			Sqr	Pg	Part	Side		·	Sqr	Pg	-	Part C593	Side B	241	116	Sqr 3D	<i>Pg</i> 10
C445 C446	A A	222 276	133 143	3E 1E	7 8	C519 C520	ВВ	73 50	22 47	4C 3C	3 4	١	C593	В	239	109	3D	10
C446 C447	A	212	78	1Ë	12	C521	В	22	15	2B	2		C595	В	271	142	3B	8
C448	Α	185	67	3E	11	C522	В	45	101	9B	2 2		C596 C597	B B	269 259	140 141	3B 2C	8
C449 C450	A	144 270	74 13	1E 3E	11 13	C523 C524	B	24 17	25 33	4B 4C	2	1	C597 C598	В	258	134	2C	8
C450	A	289	27	2D	13	C525	В	42	86	8B	2		C599	В	227	81	4B	12
C452	Α	123	114	9E	6	C526	В	33	89	8C	2		C600 C601	B	226 224	84 71	4A 3C	12 12
C453 C454	A B	104 245	129 111	4E 3C	6 10	C527 C528	B	39 44	100 124	9 8 9B	5		C602	В	227	70	3C	12
C454 C455	A	87	125	2E	6	C529	Ā	38	104	10D	2		C603	Α	276	116	3F	10
C456	Α	129	114	10E	6	C530	В	60	115	11B	5		C604 C605	A	271 275	110 113	3E 3E	10 10
C457 C458	A	79 64	12 35	3E 4E	3	C531 C532	ВВ	32 31	131 140	8C 8B	5 5		C605	Â	274	125	4F	8
C459	Â	35	21	2E	3	C533	В	38	105	2C	5		C607	Α	291	128	4E	8
C460	В	124	114	9C	6	C534	В	32	96	2C	5		C608	A	297 252	126 83	3E 3F	8 12
C461	A	252 121	19 53	11E 3C	13 16	C535 C536	ВВ	32 26	104 93	2C 2C	5 5	li	C609 C610	Ä	256	62	3E	12
C462 C463	B B	121	48	3D	16	C537	В	20	99	4C	5		C611	Α	254	61	3E	12
C464	В	152	105	1C	9	C538	В	18	95	3C	5		C612	ВВ	232 291	104 132	2B 5C	10 8
C465	В	262 294	106 81	5C 8C	10 8	C539 C540	B B	16 24	106 96	5B 3C	5		C613 C614	В	239	101	2C	10
C466 C467	B	248	130	1B	8	C541	В	22	122	6B	5		C615	В	219	74	2B	12
C468	В	258	130	2B	8	C542	В	56	111	11B	5		C616	B B	219 285	71 132	2B 4C	12 8
C469	B B	109 110	127 129	7C 7C	6	C543 C544	B	186 189	103	5B 4B	9		C617 C618	В	263	137	2C	8
C470 C471	В	234	27	3F	14	C545	В	222	130	6B	7		C619	В	236	104	2B	10
C472	В	80	78	1E	15	C546	В	196	130	5B	7		C620	В	216	76	2B 2B	12 10
C473	A	131	71 79	1E 1B	15 11	C547 C548	BB	168	130	1B 2B	7		C621 C622	B	236 234	105	2G	10
C474 C475	ВВ	187	73	5B	11	C549	В	234	71	5B	12		C623	В	272	131	3C	8
C476	В	21	111	5C	5	C550	В	294	20	6C	13		C624	В	216	74	2B	12
C477	В	200	107 79	6B 1B	9	C551 C552	ВВ	283 277	29 85	6B 1C	13		C625 C626	B	213 243	74 96	2B 3C	12 10
C478 C479	ВВ	146 184	73	5B	11	C553	В	267	71	10	13		C627	B	230	96	2C	10
C480	В	76	22	5C	3	C554	В	266	43	3C	13		C628	В	290	129	5C 5D	8
C481	В	79 44	22 47	5C 3C	3 4	C555 C556	B B	267	21 102	8B 4C	13		C629 C630	ВВ	294 282	137	4C	8
C482 C483	ВВ	47	47	3C	4	C557	В	252	15	11C	13		C631	В	224	63	2C	12
C484	В	148	100	1C	9	C558	Α	65	132	11E	5		C632	B	212	68	1C	12
C485	В	149	94	1C	9	C559 C560	B	247 136	29 115	10E	13		C633 C634	B	239 255	104	2B 4B	10 10
C486 C487	B	161	100	2C 2C	9	C561	B	116	124	9C	6		C635	В	271	134	3B	8
C488	В	258	101	4C	10	C562	В	98	137	5B	6		C636	В	292	124	5B	8
C489	В	271	101	5C 5A	10	C563 C564	B	87	110 30	2D 6B	6		C637 C638	B	279 229	132 76	4B 4B	12
C490 C491	B	193 193	113	5A	9	C565	В	67	48	9B	3		C639	В	59	124	11C	5
C492	В	146	136	1C	7	C566	В	58	47	10B	3	l	C640	В	57	124	10C	5
C493	В	158	126	1C 5D	7 7	C567 C568	B	39 128	61 110	5B 10C	6		C641 C642	ВВ	253 255	24	10C	13 13
C494 C495	B	212	135	6C	7	C569	A	277	45	5E	13		C643	Ā	79	80	3A	15
C496	В	199	135	5C	7	C570	Α	258	45	5F	13		C644	A	70	84	6A	15 15
C497	В	254	125 124	1B 1B	8	C571 C572	A	251 36	43	6A 3E	17	١	C645 C646	A	106	65	8A 11A	15
C498 C499	B	257 158	140	2D	7	C572	B	135	119	10B	6	İ	C647	Ä	121	71	11D	15
C500	В	158	136	2D	7	C574	A	232	24	3F	14		C648	A	117	83	8D	15
C501	В	163	126	2C	7	C575	A	170 153	23	2B 2B	17	ı	C649 C650	B	227 226	106	1C 1B	10
C502 C503	B	182 194	82 85	5B 6B	111	C576 C577	A	134	23	2C	17		C651	В	239	131	8B	7
C504	В	157	63	2D	11	C578	Α	113	23	2C	17		C652	В	241	126	8C	7
C505	В	157	68	2C	11	C579 C580	A	161	22 97	2D 9E	17		C653 C654	B	239 206	137 79	8B 8B	7
C506 C507	B	144 145	71 65	1C 1C	11	C580 C581	B	181	108	4B	9		C655	В	205	74	8B	11
C508	Ā	45	111	8D	5	C582	В	178	78	5C	11		C656	В	205	70	7A	11
C509	A	59	108	8E	5	C583	В	115	127	8C 7C	6		C657 C658	B	271 265	39	4D 4C	13 13
C510 C511	A	163	51	2E 1F	16	C584 C585	ВВ	84 185	129	4C	7		C659	В	258	37	4C	13
C512	A	132	53	2E	16	C586	В	238	128	8C	7		C660	В	120	117	9C	6
C513	В	173	24	2B	17	C587	В	293	102	7C	8		C661	Α	264	28	11D 7C	13
C514	B	157 164	24	2B 2D	17	C588 C589	ВВ	286 227	18 96	7C 8A	13		C670 C671				9D	6
C515 C516	A	63	114	11E	5	C590	В	275	133	3B	8		D1	В	194	16	2B	14
C517	В	40	110	1C	5	C591	В	253	110	4B	10	1	D1	В	194	16	2B 2C	14
C518	В	157	108	2B	9	C592	В	253	115	48	10	1	D1	В	194	16	1 20	114

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Aei: C.I.: 04.05 Benennung: EE IQ-CONVERTER

Designation: IQ-CONVERTER Blatt: Sh.: Sprache: *Lang.*: ROHDE & SCHWARZ 3+ Sachnr.: 1084.9300.01 XY Name: BU Abteilung: 1GPK Datum: 99-02-03 Typ: Type: SMIQ

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Nicht-Service-Relevante Bauteile	/ Non-Service-Relevant Components

	15							:						In			DI:	- C-
el. Kennz.		Х	Υ	Planq.	BI.	el. Kenn		X	Y	Planq.	BI.	-		Seite	Х	Υ	Planq.	BI.
Part	Side			Sgr	Pg	Part	Side		<u></u>	Sqr	Pg	١	Part	Side		100	Sqr	Pg
D1	В	194	16	2C	14	L35	В	42	97	9C	2		L111	В	169	103	3B	9
D1	В	194	16	2F	14	L36	B	50	120	10B	5		L112	В	86	33	7B	3
D2	В	194	41	5F	14	L37	В	16	99	3B	5		L113	B	173 173	109 103	3B 3B	9
D2	В	194	41	6C	14	L38	В	108	141	6B	6		L115	1				
D2	В	194	41	6C	14	L39	В	100	117	3B	6		L116	B B	176 157	104 93	4B 2C	9
D2	B	194	41	8D	14	L40	В	131	125	10B	6		L117 L118	В	184	90	5B	9
D2	В	194	41	8E	14	L41	В	62	54	9C	3		L119	В	180	97	4C	9
D3	A	48	105	1D	5	L42	В	125	126 21	10A 3B	3		L120	В	185	103	5B	ğ
D3	A	48	105	8E 4F	5	L43 L44	BB	51 92	23	6C	3		L121	В	267	94	5C	10
D4	B	112	73 73	5B	14 14	L44 L45	B	284	33	5C	13		L122	В	214	108	7B	9
D4	B B	112 170	43	5F	14	L45	В	21	91	3C	5		L123	В	213	103	7B	9
D5	В	170	43	6C	14	L47	В	36	51	40	4		L124	В	217	103	7B	9
D5 D6	В	101	73	4F	14	L48	В	183	135	4C	7		L125	В	191	105	5B	9
06	В	101	73	6B	14	L49	В	21	33	4C	2		L126	В	269	138	3B	8
D7	В	90	85	2E	15	L50	В	24	31	4B	2		L127	В	197	105	5B	9
D7	В	90	85	4A	15	L51	В	48	89	8B	2	1	L128	В	203	104	6B	9
08	В	106	85	1E	15	L52	В	34	86	8C	2	Н	L129	В	207	104	6B	9
28	В	106	85	7A	15	L53	В	50	123	10B	5		L130	В	271	109	6B	10
D9	В	121	85	4E	15	L54	В	36	130	8C	5	Ш	L131	В	273	109	6B	10
D9	В	121	85	9A	15	L55	В	33	142	8A	5		L132	В	277	100	7B	10
D10	В	136	85	4E	15	L56	В	24	93	3C	5		L133	B	277	97	7B	10
D10	В	136	85	7C	15	L.57	В	294	15	6C	13		L134	В	277	90	8B	10
011	В	136	73	3E	15	L58	В	289	26	6B	13		L135	В	277	86	8B	10
011	В	136	73	9C	15	L59	В	272	43	3C	13		L136	В	273	94	8C	10
12	В	91	73	1A	15	L60	B	281	33	5C	13	J.	L137	В	281	85	8C	10
12	В	91	73	5E	15	L61	A	51	28	10D	17		L138	В	279	99	7C	10
13	В	218	41	6F	14	L62	Α	54	91	11A	17		L139	В	149	140	2C	7
13	В	218	41	9D	14	L63	Α	63	93	11B	17		L140	В	155	143	2C	7
14	В	206	41	6F	14	L64	В	105	141	6B	6		L141	В	147	132	1B	7
14	В	206	41	9D	14	L65	В	97	117	3C	6		L142	В	152	129	2B	7
15	В	237	32	3D	14	L67	В	13	99	3B	5		L143	В	159	130	2B	7
15	В	237	32	3F	14	L68	В	58	44	10B	3		L144	В	166	130	2B 3B	7 7
15	В	237	32	4D	14	L69	B	50	18	3B	3		L145	B	174 172	130	3B	7
15	В	237	32	4D	14	L70	В	154	72	2C	11	ı	L146	B	174	129 135	3C	7
115	В	237	32	7F	14	L71	В	83	30	6B	3 4	1	L147 L148	В	188	130	4B	7
17	В	182	43	5F	14	L72	B	35	60	5B		ı	L148	B	272	139	3C	8
17	В	182	43	6D	14	L73	В	145	75	10	11 5	ı	L150	В	200	131	5B	7
18	В	221	32	3A	14	L74	B	13	111	5B 4C	5		L150	В	206	129	5B	7
18	В	221	32	3F	14	L75	B	14 15	132	6B	5	ı	L152	В	213	129	6B	7
1	В	224	106	8B	9	L76	В	t .			5	ı	L153	В	220	128	6B	7
2	В	274	101	7C 1B	10 17	L77 L78	B	14 202	136	6A 7A	11		L154	В	202	139	5C	7
3	В	147	18	1C	17	L78	B	265	76	7B	12	1	L155	В	209	142	6C	7
4 5	B	106	18	10	17	L80	В	163	72	3A	11		L156	В	226	128	6B	7
6 6	В	103	42	3C	17	L81	B	83	52	80	3	1	L157	B	227	129	7B	7
7	В	267	78	8B	12	L83	В	261	26	9B	13	1	L158	В	225	135	7C	7
8	В	39	97	9C	2	L84	В	113	141	6B	6	1	L159	В	245	134	1C	8
9	В	20	133	7B	5	L85	В	14	41	4C	2		L160	В	298	114	6C	8
10	В	14	110	5B	5	L86	В	12	56	5C	2		L161	В	292	119	5B	8
11	В	18	103	4C	5	L87	В	13	69	5C	2		L162	В	292	116	6B	8
12	В	16	129	6B .	5	L88	В	24	64	5C	2	1	L163	В	293	90	7B	8
13	В	180	134	4B	7	L89	В	192	79	6B	11	П	L164	В	293	85	7B	8
14	В	234	133	7B	7	L90	В	58	116	11B	5	L	L165	В	293	79	8B	8
15	В	296	107	68	8	L91	В	183	76	5B	11	1	L166	В	298	99	7C	8
16	В	286	50	1A	13	L92	В	46	123	9B	5	1	L167	В	288	103	7C	8
7	B	279	19	7C	13	L93	В	212	71	1B	12	İ	L168	В	297	68	8C	8
18	В	261	23	9B	13	L94	В	27	110	2C	5	ı	L169	В	227	79	4B	12
19	В	297	104	7C	В	L95	В	48	103	2C	5	1	L170	В	239	89	2C	10
20	В	248	53	6A	17	L96	В	37	101	1C	5	1	L171	В	148	70	1C	11
21	В	233	53	5A	17	L97	В	26	98	2C	5	1	L172	В	153	68	2C	11
22	В	233	50	5A	17	L98	В	273	112	6C	10		L173	В	178	65	4C	11
23	В	248	49	6A	17	L99	В	205	93	6B	9		L174	В	244	104	3B	10
24	В	61	91	10A	17	L100	В	200	113	6B	9		L175	В	263	130	2B	8
25	В	77	92	9A	17	L101	В	193	97	5B	9		L176	В	172	75	48	11
26	В	61	95	10B	17	L102	В	162	108	2B	9		L177	В	291	144	5C	8
27	В	77	96	9B	17	L103	В	221	68	2B	12	ı	L178	В	283	133	4B	8
28	В	205	61	6D	17	L104	В	166	109	2B	9	1	L179	В	164	74	3B	11
29	В	196	53	5D	17	L105	В	181	104	4B	9	1	L180	В	162	74	3B	11
.30	В	111	104	6B	17	L106	8	164	104	2B	9	1	L181	В	160	75	2B	11
31	B	112	94	5B	17	L107	В	166	103	2B	9	1	L182	В	289	133	4B	8
.32	В	89	60	9D	17	L108	В	177	74	4B	11	ı	L183	B	157	78	2B	11
.33	В	105	60	8D	17	L109	В	171	109	3B	9	1	L184	В	294	133	5B	8
34	B	80	60	10D	17	L110	В	110	125	8C	6	ı	L185	В	168	74	3B	11

6 L185 B 168 10D 17 L110 B 110 125 8C L34 60 Benennung: EE IQ-CONVERTER

Designation: IQ-CONVERTED Aei: C.I.: 04.05 Blatt: Sh.: Sprache: Lang.: ROHDE & SCHWARZ IQ-CONVERTER 4 + Sachnr.: 1084.9300.01 XY Abteilung: 1GPK Name: BU Name: Datum: 99-02-03 Typ: Type: SMIQ

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Nicht-Service-	-Relevante Bauteile /	Non-Service-Relevant	
Kennz Seite	Plang, Bl. el. Kennz Seite	Plang, Bl. el. Kennz. Seite	Planq. Bl.

MIC		JCIV	100	Planq.	Bi.		el. Kennz	Salta	1		Plang.	Bl.	T	el. Kennz.	Seite			Plang.	BI.
el. Kennz.	1 3	X	Υ				Part	Side	Х	Υ	Sqr	Pg		Part	Side	Ϋ́	Υ	Sqr	Pg
Part	Side			Sqr	Pg	L		В	138	114	11B	6		N9	В	128	47	3C	16
L186	1 1	167	80 80	3B 2B	11 11		L261 L262	В	234	78	4B	12		N9	В	128	47	3D	16
L187	B B	162 169	80	4B	11		L263	В	285	53	2C	13		N10	В	219	101	7B	9
L188 L189	В	182	73	5B	11		L266	В	90	37	7Č	3		N11	В	275	106	6B	10
L190	В	180	62	5B	11		L267	В	43	22	2C	3		N12	В	180	128	3B	7
L191	В	186	81	5B	11	П	L269	В	81	12	5C	3		N13	В	233	128	7B	7
L192	В	190	83	5B	11	П	L270	В	78	31	5C	3	1	N14	В	291	107	6B	8
L193	В	194	73	6B	11		L271	В	75	15	4C	3		N15	В	200	73	7B	11
L194	В	195	73	6B	11	11	L273	В	93	46	7C	3		N16	В	263	71	7B	12
L195	В	46	64	6C	4	H	L274	В	84	48	8B	3		N17	В	46	20	2C	3
L196	В	238	71	5B	12	H	L275	В	79	48	8B	3		N18	Α	55	125	11D	5
L197	В	243	72	5B	12	П	L276	В	76	43	8C	3		N18	Α	55	125	8E	5
L198	В	248	71	68	12	Н	L277	В	73	48	8B	3		N19	A	250	24	10D	13 13
L199	В	251	71	6B	12	H	L278	В	70	52	9C	3		N19	A	250 253	24 104	11D 4B	10
L200	В	256	71	6B	12	H	L279	В	68	48	9B	3		N20	B	269	133	3B	8
L201	B	258	71	7B	12		L280	В	42	36	4C	4		N21	В	227	74	3B	12
L202	B	117	107	9B	6		L283	В	43	76	6B	4	١	N22 N23	В	274	30	4C	13
L203	В	196	70	6B	11	П	L284	В	47	75	6C	4		P3	В	64	116	11E	5
L204	В	285	141	4C	8	11	L285	В	39	63 70	5B 6C	4		P4	В	45	109	10	5
L205	B	241	67	5C	12	11	L286 L287	B	37 41	67	6B	4		P5	В	45	106	1D	5
L206	В	245	77	5B	12	Н		}	42	73	6B	4		P6	B	235	43	10E	14
L207	В	249	65 69	6B 7B	12 12	H	L288 L289	B	42	40	3C	4		P7	В	144	47	4D	16
L208	В	257	68 105	10C	6	١I	L289 L290	В	45	55	3C	4		P8	В	144	44	5B	16
L209	B	128 295	126	5B	8	11	L293	В	280	106	7B	10		P9	В	144	42	2C	16
L210 L211	В	262	129	2B	8	1	L294	В	167	101	3A	9		P10	В	144	39	4A	16
L212	В	23	125	6B	5	ll	1.295	В	223	98	8A	9	ll	P11	В	144	37	4B	16
L213	В	263	135	2C	8	11	L298	B	204	79	7B	11	1	P12	В	144	34	4E	16
L214	В	215	66	2C	12	11	L299	В	236	134	7C	7		P13	В	175	50	6C	14
1215	B	227	110	10	10		L300	Ā	134	70	3B	17		P14	В	177	50	6C	14
1216	В	230	112	2C	10		L301	Α	221	43	3B	17	li	P15	В	180	50	7D	14
L217	В	248	104	3B	10	П	L302	Α	230	28	3C	17	ΙI	P16	В	182	50	7D	14
L218	В	219	63	2C	12	П	L303	В	81	75	3C	17	l	R1	В	17	37	4C	2
L219	В	245	108	3C	10	П	L304	Α	135	16	1B	17		R2	8	13	72	6C	2
L220	В	224	74	3B	12	П	L305	Α	116	16	1D	17	ll	R3	Α	155	108	2E	9
L221	В	213	82	8B	11		L306	В	85	105	6B	17	Ιł	R4	A	157	108	2E	9
L222	В	206	84	8B	11	Н	L307	В	164	62	6F	17	IJ	R5	В	230	106	2C	10
L223	В	272	34	4C	13		L308	A	64	69	9C	17		R6	В	241	129	8C 2E	7 11
L224	В	276	39	4D	13	П	L309	B	246	43	6A	17	Ì	R7	À	151	79 79	2E	11
L225	В	32	111	2C	5	11	L310	A	254	43	6A	17	!	R8	A	153	123	9B	5
L226	В	254	17	10C	13		L311	В	64	87	10A	17		R9	ВВ	48 57	123	10C	5
1.227	B	110	112	8C	6		L312	A	58	93	11A	17	l	R10 R11	В	36	104	2C	5
L228	В	113	112	9C	6	1	L313	A	63	95	118	17			8	23	126	6B	5
L229	В	115	124	9C	6	П	L314	В	18	135	7C	5	Ιİ	R12 R13	В	27	102	2C	5
L230	В	106	136	6C	6		L315	В	280	17	7C 5A	13	П	R14	В	213	76	8B	11
L231	В	107	132	7C	6		L316 L319	B	193 250	106 40	6A	17		R15	В	206	76	8B	11
L232	В	109	128	7C	6	ı	L320	A	277	49	6A	17	ı	R16	В	184	101	5B	9
L233	В	122 134	138	6C 7C	6		L321	Â	260	20	6A	17	l	R17	В	182	101	4B	9
L234	B B	133	129	7C	6		N1	Ä	111	70	11B	15		R18	В	275	103	7C	10
L235 L236	В	253	109	4B	10		N1	Â	111	70	11D	15		R19	В	190	132	4C	7
L237	В	265	22	8B	13	1	N1	A	111	70	2E	15		R20	В	194	128	5C	7
L238	В	94	126	4C	6	ı	N1	Α	111	70	88	15	1	R21	B	180	72	5B	11
L239	В	100	136	5B	6		N1	Α	111	70	8D	15	1	R22	В	178	72	4C	11
1240	В	20	132	6B	5	ı	N2	В	134	58	2D	16	١	R23	В	263	22	9B	13
L241	В	94	118	3C	6		N3	В	78	81	2E	15		R24	В	255	21	10C	13
L242	В	94	116	3C	6		N3	В	78	81	3B	15		R25	В	139	52	5C	16
L243	В	94	114	2C	6	1	N3	B	78	81	5B	15	I	R26	В	102	136	5B	6
L244	В	53	124	10B	5	1	N4	A	286	39	5F	13		R27	Α	123	116	9E	6
L245	В	89	111	2D	6		N4	Α	286	39	6E	13		R28	Α	127	113	9E	6
L246	В	257	20	9C	13		N4	Α	286	39	8D	13		R29	Α	128	118	10E	6
1247	В	94	122	3C	6		N5	Α	261	40	5F	13	1	R30	A	129	112	10E	6
L248	В	89	123	40	6	1	N5	Α	261	40	7F	13	1	R31	В	86	34	7C	3
L249	В	89	121	3D	6		N5	Α	261	40	8D	13		R32	В	86	44	7C	3
L250	В	89	116	3D	6	1	N6	Α	149	43	1E	16		R33	В	164	102	2B	9
L252	В	132	111	11A	6	1	N6	Α	149	43	3A	16		R34	В	160	73	2B	11
L253	В	13	76	6C	2		N6	Α	149	43	3B	16		R35	В	266	34	4C	13
L254	В	271	19	8C	13	l	N7	Α	35	90	8E	2		R36	A	98	122	3E	6
L255	В	104	139	6C	6	1	N7	Α	35	90	8E	2	1	R37	A	100	122	3E	6
L256	В	278	139	4C	8	1	N7	A	35	90	9E	2	1	R38	В	268	39	4C	13
L257	В	260	55	2D	13		N8	В	54	15	3C	3		R39	В	295	24	6C	13
L258	В	122	112	9B	6		N9	В	128	47	2C	16		R40	A	102	122 122	3E 3E	6
L259	В	128	118	10B	6		N9	В	128	47	2E	16		R41 R42	A B	295	20	6C	13
L260	В	273	48	2C	13		N9	В	128	47	3B	16		1142					
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Benennung: EE IQ-CONVERTER

Designation: IQ-CONVERTER

Sprache: Lang.:

Blatt: *Sh.:* 5 +

Aei: *C.l.:* 04.05

^{Тур:} *Туре*: SMIQ

Datum: 99-02-03

Abteilung: 1GPK

Name: BU

Sachnr.: 1084.9300.01 XY

ROHDE & SCHWARZ

el. Kennz.		JCI V	Ī.	Plan	ng. Bl.	П	el. Kennz	Seite			Planq.	Bl.	Т	el. Kennz.	Seite		V	Planq.	Bl.
Part	Side	Х	Υ	Sqr			Part	Side	Х	Y	Sqr	Pg		Part	Side	1 7	Υ	Sqr	Pg
R43	Α	227	109	2E	10		R119	В	208	79	8B	11	Ī	R194	Α	214	25	3B	14
R44	В	35	17	2E	6		R120	В	21	119	5C	5	ı	R195 R196	A	214 214	21 19	3B 3B	14 14
R45	В	80 240	127 125	2D 7D	6 7		R121 R122	ВВ	25 37	116 126	5C 9C	5	١	R190	A	214	17	3B	14
R46 R47	В	25	78	6D	2		R123	В	40	122	9C	5	İ	R198	Α	224	31	3B	14
R48	A	22	38	4D	2		R124	Ā	43	107	2D	5	١	R199	Α	230	25	3C	14
R49	Α	25	36	4A	2		R125	A	45	104	2D	5	١	R200	A	216	15	4B 4B	14 14
R50	A	30	99	9E	2 5		R126	ВВ	169 172	114 112	4C 4C	9	1	R201 R202	A	218 220	16 16	4B	14
R51 R52	A	38 39	141	8A 8C	5		R127 R128	В	151	102	10	9	1	R203	Α	223	16	4B	14
R53	Ā	181	94	4E	9	П	R129	В	149	99	1Č	9	- 1	R204	Α	225	16	4B	14
R54	В	183	132	4C	7	П	R130	В	160	99	2C	9	- 1	R205	A	227	16	4B	14
R55	В	236	131	70	7		R131	8	261	103	4C	10	-	R206 R207	A	229 231	16 16	4B 4B	14 14
R56	A	193	134	4D 8C	7		R132 R133	B	259 270	100	4C 5C	10 10	١	R207	B	239	30	3D	14
R57 R58	B B	248 204	128 76	7B	11		R134	В	210	105	7B	9	١	R209	В	230	35	7F	14
R59	В	267	74	88	12		R135	В	210	109	7B	9	١	R210	В	184	42	6D	14
R60	A	178	67	4E	11		R136	В	193	111	5A	9	١	R211	B	174	44	6D	14
R61	Α	294	24	6A	13		R137	В	192	101	5B	9		R212 R213	B	105 94	73 73	5B 6B	14 14
R62	A	294 294	12 51	6D 2B	,		R138 R139	B	202 204	107	5B 6B	9	١	R214	В	162	42	5C	14
R63 R64	A	258	47	2C			R140	В	269	110	6C	10	1	R215	B	220	47	8D	14
R65	A	275	45	3B	1	1	R141	В	269	115	6C	10		R216	В	208	47	8E	14
R66	Α	112	54	4C			R142	В	170	133	3C	7		R217	В	197	43	7C	14
R67	A	121	46	4E			R143	ВВ	170 148	137 134	3C 1C	7 7		R218 R219	A B	35 185	101	9D 8D	14
R68 R69	ВВ	107 100	121 125	8D 7D			R144 R145	В	146	137	1C	7		R220	В	185	44	8D	14
R70	Ā	115	112	100			R146	B	217	128	6C	7		R221	В	199	44	9E	14
R71	Α	91	42	7C			R147	В	216	125	6C	7		R222	В	229	48	10D	14
R72	В	36	78	70		۱	R148	В	210	133	5C	7		R223	В	232	103	10E 9D	14
R73	A	78	85	6A		l	R149	ВВ	199 201	137	5C 5C	7 7		R224 R225	A	28 72	79	6B	15
R74 R75	A	93 108	83 84	8A	,	l	R150 R151	B	212	136	5D	7		R226	В	83	85	4A	15
R76	Â	124	83	80		١	R152	В	223	132	6C	7		R227	В	133	121	10B	6
R77	Α	75	71	3A	1		R153	В	221	137	6D	7		R228	A	114	68	9B	15
R78	В	40	126	90			R154	В	258	131	2C 1B	8 8		R229 R230	B	98 114	85 85	6A 9A	15 15
R79 R80	A B	208 20	80 119	70 5B			R155 R156	B	254 284	127	5C	8		R231	Ā	106	81	11B	15
R81	A	283	35	3E		ı	R157	В	158	137	2D	7		R233	Α	288	22	4E	13
R82	Α	265	51	80	- 1	l	R158	В	291	123	5C	8		R234	Α	122	81	9D	15
R83	Α	295	33	8E			R159	В	156	134	2C	7		R235	В	129 129	85 73	6C 9C	15 15
R84	B	120	114	9C 4C		1	R160 R161	B	249 162	128 129	1C 2C	8 7		R236 R237	В	119	67	11D	15
R85 R86	B	261 185	37 130	48	- 1	1	R162	В	161	126	2C	7		R238	Â	232	107	1D	10
R87	В	238	129	7B		ı	R163	В	192	71	6C	11		R239	В	83	73	1A	15
R88	В	292	102	7E			R164	В	182	78	5B	11	ı	R240	A	235	132	7D	7
R89	Α	256	47	8F		1	R165	В	181	81	5B	11		R241 R242	A	203 287	80 27	7C 2D	11 13
R90	В	295 18	23 52	6C	1	ı	R166 R167	ВВ	195 156	84 66	6B 2C	11		R243	Â	138	39	4A	16
R91 R92	A B	258	109	4E			R168	B	145	69	1C	11	ĺ	R244	A	210	47	4D	16
R93	Ā	45	106	20		ı	R169	В	145	74	1C	11		R245	Α	210	43	4E	16
R95	В	94	139	50		1	R170	В	192	66	6C	11		R246	A	214	43	4E 3B	16 16
R96	В	128	108	100		ı	R171	B	239 253	76 73	5C 6B	12		R247 R248	ВВ	133 132	53 55	4C	16
R97 R98	B	32 48	24 89	10 8A		١	R172 R173	В	158	83	4C	11		R249	В	131	45	4C	16
R99	Â	48	91	80		1	R174	В	253	77	6C	12		R250	В	139	42	4C	16
R100	В	21	95	30		ı	R175	В	167	83	4C	11	١	R251	A	138	37	4B	16
R101	В	227	103	10			R176	B	247	69	6B	12 12		R252 R253	B	127 101	108	2D 6C	16 17
R102	B	294	104	7C		ı	R177 R178	ВВ	247	73 69	5B 5C	12	l	R254	Â	95	110	6C	17
R103 R104	A B	57 286	117 46	1/		1	R179	В	272	17	8B	13		R255	A	246	126	6E	17
R106	В	226	106	10			R180	В	274	14	8B	13	l	R256	Α	249	93	8E	17
R107	В	239	126	80	0 7	ı	R181	В	253	29	10C	13		R257	A	197	64	10E	17
R108	В	18	47	40		1	R182	A	252	36	9E 10C	13		R258 R259	A	51 49	101 98	10B 10B	17
R109	В	17 16	55 62	40 50		ŀ	R183 R184	B	255 258	29 36	9E	13	Ì	R260	Â	248	128	7E	17
R110 R111	B	16	59	50		I	R185	A	247	31	10E	13	ı	R261	A	253	95	8E	17
R112	В	25	74	60		1	R186	A	257	30	11E	13		R262	Α	199	66	10E	17
R113	В	21	74	60	C 2		R187	A	247	18	10E	13		R263	A	125	114	9E	6
R114	В	59	129	11			R188	A	249	17 38	11E 4D	13		R264 R265	B	90	132	3E 5C	6
R115	8 B	57 61	129 132	10			R189 R191	B	271	31	3B	14		R266	В	89	137	5C	6
R116 R117	В	56	132	10		1	R192	A	214	29	3B	14		R267	В	104	127	7D	6
R118	A	60	118	11			R193	Α	214	27	3B	14		R268	В	100	127	7D	6
		1				_1_			17 (T-C)			!	-	Parasha:	1	Dio#.		Aei:	
(\$)		_			Benenn Designa		-				•			Sprache: Lang.:		Blatt: Sh.:	6+	C.I.:	4 OE
ROH	DE 8	k SCI	HAW	Z	- corgric		^{n:} IQ-CC	MVE	HIER					dı	e		ο +	U	4.05

Name: BU

Abteilung: 1GPK

Datum: 99-02-03

Typ: Type: SMIQ Sachnr.: 1084.9300.01 XY

Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

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Nicht-Service-Relevante Bauteile /	Non-Service-Relevant Components
I. Kennz, Seite Plang, Bl. el. Kennz Seite	Plang, Bl. el. Kennz, Seite V Plang, Bl.

Nict	nt—	Serv	ice-	Rele	van	te Bau	ıtei	le / I	von-			}	-Rele	/an	t Co	mpc	men	is a
el. Kennz.	ł I	x	Υ	Planq.	BI.	el. Kennz	Seite	Х	Υ	Planq.	BI.	١	el. Kennz.	Seite <i>Side</i>	Х	Y	Planq. <i>Sqr</i>	Bl. Pg
Part	Side			Sqr	Pg	Part	Side B	239	134	Sqr 8B	Pg 7	ŀ	Part R417	A	197	77	7B	11
R269 R270	8 8	87 87	125 129	4D 4D	6	R343 R344	В	177	79	5C	11	ı	R418	Ä	280	28	3D	13
R271	A	22	97	2E	5	R345	В	176	63	5D	11	١	R419	Α	224	106	2D	10
R272	В	14	95	3B	5	R346	В	203	71	7A	11	١	R420	A	241	134	7C	7
R273	Α	68	27	4D	3	R347	В	184	35	3B	14	١	R421	A	81 97	87 86	5A 8A	15 15
R274	В	38	25	2B 2B	3	R348 R349	B	208 196	24 20	3B 2C	14	۱	R422 R423	A	112	86	11A	15
R275 R276	B B	43 76	26 27	5C	3	R350	В	179	27	2E	14	١	R424	Α	127	87	8C	15
R277	В	71	27	5D	3	R351	B	185	27	2D	14	1	R425	Α	81	74	2A	15
R278	В	83	17	5C	3	R352	В	190	27	2C	14	١	R426	A	205	82	7B	11
R279	В	86	15	5D	3	R353	В	110	119	8C	6	١	R427 R428	A B	279 287	30 36	3D 5B	13 13
R280	В	72	15	4D 4C	3	R354 R355	B	93 84	38 42	7C 7C	3 3	l	R429	В	285	36	5B	13
R281 R282	B	73 237	20 107	2D	10	R356	A	28	88	7E	2	ı	R430	₿	89	123	4D	6
R283	В	91	51	8B	3	R357	Α	16	114	3E	5	١	R431	В	59	118	11B	5
R284	В	88	49	8B	3	R358	Α	62	132	7E	5		R432	В	42	108	1C	5
R285	В	81	50	8C	3	R359	Α	22	99	1E	5		R433	A	212 212	96 98	4E 4E	9
R286	В	74	46	8C	3	R360 R361	A	175 202	103	4D 4C	9 7		R434 R435	A	244	113	2E	10
R287 R288	B B	71 45	50 73	9C 6C	3 4	R362	A	169	74	4D	11	Ì	R436	Ä	242	113	2E	10
R289	В	39	71	6C	4	R363	A	275	51	7C	13		R437	A	172	124	2E	7
R290	В	44	66	5C	4	R364	Α	300	48	5E	13		R438	A	223	123	4E	7
R291	В	35	62	5B	4	R365	Α	281	37	7E	13	1	R439	A	271	134	2E	8
R292	В	32	63	5B	4	R366	A	280 114	36 63	7E 9B	13 15		R440 R441	A	170 225	124 123	2E 4E	7
R293 R294	ВВ	40 32	79 80	7C 7C	4	R367 R368	A	104	77	11B	15		R442	Â	273	134	2E	8
R295	В	51	39	3D	4	R369	A	121	77	9D	15		R443	Α	186	77	4E	11
R296	В	51	44	3C	4	R370	A	117	65	11D	15		R444	Α	188	77	4E	11
R297	В	40	41	3C	4	R371	A	123	65	10D	15	1	R445	A	221	85	2E 2E	12
R298	В	47	52	3C	4	R372	A	75 72	75 71	3B 6B	15		R446 R447	В	219 253	85 18	10C	12 13
R299	ВВ	50 37	53 40	3D 3D	4	R373 R374	B	130	53	3B	16		R448	В	208	29	3B	14
R300 R301	A	33	87	7D	2	R375	A	135	57	4C	16		R449	В	194	35	3C	14
R302	A	50	132	7D	5	R376	A	53	64	6E	3		R450	В	189	35	3D	14
R303	A	153	107	2E	9	R377	A	173	103	4D	9		R451	B	198	27 35	2B 3E	14 14
R304	A	149	79	2E	11	R378	A	202 171	127 75	4C 4D	7		R452 R453	В	179 199	20	2B	14
R305	A	281 258	52 54	5E 7D	13	R379 R380	Â	55	66	7E	3	N	R454	В	182	25	2B	14
R306 R307	A	289	37	7D	13	R381	A	57	43	5E	3		R455	В	74	88	2E	15
R308	A	255	41	7F	13	R382	A	73	23	3E	3		R456	Α	136	61	3B	17
R309	В	228	40	11D	14	R383	A	42	51	3E	4		R457	В	61	126	11C	5
R310	A	73	88	5B	15	R384	B	61	120	11C	5		R458	В	258 25	27 143	9C 5E	13
R311	A	108	73	8B 11B	15 15	R385 R386	B	251 18	105	10C 4B	13		R459 R460	Â	27	143	4E	5
R312 R313	A	108	75	8D	15	R387	В	49	120	10A	5		R461	A	23	143	4E	5
R314	A	119	71	11D	15	R388	В	47	120	9A	5		R462	В	20	103	4C	5
R315	Α	120	73	11D	15	R389	В	45	120	9A	5		R463	В	234	74	4B	12
R316	Α	126	72	11C	15	R390	В	256	107	4B	10		R464	В	14	114 97	5B 2A	5 9
R317	A	75	85	3B	15	R391 R392	B	278 275	135 136	4B 4B	8		R465 R466	B B	169	97	3A	9
R318 R319	A	127 106	51 138	3C 5E	16	R393	В	264	25	9B	13		R467	В	222	93	8A	9
R320	B	16	18	3C	2	R394	B	264	26	9B	13		R468	В	280	111	7B	10
R321	В	20	17	2C	2	R395	В	264	28	8B	13		R469	В	180	139	4B	7
R322	В	34	140	8B	5	R396	В	232	76	4B	12		R470	B	234	138	7B	7
R323	В	38	140	9B	5	R397	A	59	43	5E	3		R471 R472	B	255 299	124 108	1B 6B	8 8
R324	В	55	45	10B	3	R398 R399	A	62 77	43 23	5E 4E	3		R473	В	202	82	7A	11
R325 R326	ВВ	53 18	45 17	10B 2B	2	R400	A	75	23	3E	3		R474	В	265	80	7A	12
R327	В	35	140	8B	5	R401	A	42	47	3E	4		R475	В	163	68	3A	11
R328	В	37	14	1E	6	R402	A	42	49	3E	4	1	R476	В	164	68	3A	11
R329	В	37	17	2E	6	R403	В	52	132	100	5		R477	В	282	37	5B	13
R330	В	82	125	2D	6	R404	B	54	129	10C	5 13		R478 R479	ВВ	282 149	39 49	5B 3D	13
R331	В	78	127	2D 9B	6	R405 R406	B	251 248	27 29	10C	13	ĺ	R480	В	134	51	3A	17
R332 R333	ВВ	42 35	101	2C	5	R407	A	250	21	10D	13		R481	В	111	69	3A	17
R334	8	32	101	2C	5	R408	A	63	109	10B	17		R482	В	162	47	3B	17
R335	В	27	95	2C	5	R409	A	196	68	10E	17	ĺ	R483	В	104	115	3B	6
R336	В	56	113	11B	5	R410	A	251	100	8E	17	ĺ	R484	B	104	117	3B	6
R337	В	38	107	1C	5	R411	A	247	135	6E	17		R485 R486	B	90 62	25 51	6C 9C	3
R338	В	181	109	4B	9	R412 R413	A B	99	113	6C 4C	17 5	١	R486	B	256	110	4C	10
R339 R340	ВВ	180 226	94	4C 8A	9	R414	В	22	100	3C	5	l	R488	В	51	28	3B	3
R341	В	193	135	5C	7	R415	B	22	99	3C	5		R489	В	81	33	6B	3
R342	В	189	135	4C	7	R416	A	238	139	7C	7	İ	R490	В	278	136	4C	8
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ROHDE & SCHWARZ

Benennung: EE IQ-CONVERTER

Designation: IQ-CONVERTER

Sprache: Lang.:

Blatt: Sh.: 7 +

Aei: *C.I.:* 04.05

Typ: Type: SMIQ

Datum: 99-02-03

Abteilung: 1GPK

Name: BU Name:

	:
	:

Nicht-Service	-Relevante Bauteile			
ei. Kennz. Seite	Planq, Bl. el. Kennz Seite	Plang. Bl.	el. Kennz. Seite X Y	Plang. Bl.

MICI		Sei v	100	neit	_				10 / 1	1011	Diago	BI.	_	el. Kennz.	Seite	i	•	Plang.	Bi.
ei. Kennz.		х	Υ	Planq.	BI.	1		Seite Side	Х	Υ	Planq. Sar	Pg		et. Kennz. Part	Side	X	Υ	Sar	Pg
Part	Side			Sqr	Pg	ŀ	Part R566	В	13	105	4C	5		R642	A	252	141	1F	8
R491 R492	BB	58 34	39 57	10B 5B	3 4	1	R567	Ā	175	94	3D	9		R643	A	224	65	2F	12
R494	В	61	105	9D	5	١	R568	A	200	132	3D	7		R644	Α	218	61	1F	12
R495	В	246	33	11C	13	١	R569	Α	173	65	3D	11		R645	Α	217	85	1E	12
R496	В	134	67	2D	16		R570	В	292	18	6C	13		R646	A	190 182	63 62	4F 3F	11 11
R497	Α	61	116	11E	5		R571	В	285	26	6B 3C	13 13	ı	R647 R648	A	184	76	4E	11
R498	В	59	121 103	11C 8B	5 9		R574 R575	B	267 113	44 49	4D	16	1	R649	A	146	83	1F	11
R499	8 B	224 253	21	10C	13		R576	Â	119	47	4E	16		R650	A	153	83	2F	11
R500 R501	A	254	21	11E	13		R577	В	246	39	6B	17		R651	Α	155	78	2E	11
R502	В	111	122	8C	6	ı	R578	В	77	103	6C	17	١	R652	Α	188	67	4E	11
R503	В	113	122	9C	6		R579	Α	93	55	9D	17	1	R653	A	221	75 50	2E 7D	12 13
R504	В	62	46	10B	3		R580	A	147	60	6E	17 17	ı	R654 R655	A	277 299	53 51	5E	13
R505	В	86	25	6B	3		R581 R582	A	56 116	89 110	10A 9C	6	١	R656	Â	283	39	8E	13
R506	B	38 39	54 87	4B 8D	2		R583	В	59	55	90	3	١	R657	À	263	32	11 D	13
R507 R508	A	32	122	5F	5		R584	Ā	59	58	6F	3	-	R658	Α	246	35	11C	13
R509	Â	52	129	8D	5		R585	В	32	26	1C	3	-	R659	Α	176	65	4D	11
R510	Α	15	139	4E	5		R586	В	35	22	2C	3	-	R660	Α	207	72	7C	11
R511	Α	26	131	4F	5	П	R587	В	92	19	6C	3	۱	R661	A	292 285	27 16	3D 3F	13 13
R512	Α	168	116	1F	9		R588	B	36	46	4C 6E	5	1	R662 R663	A	280	16	3E	13
R513	A	194	93	3F 1F	9 10		R589 R590	A	44	116 116	6E	5	Į	R664	Ā	290	19	3F	13
R514 R515	A	235 174	141	1F	7		R590	A	50	116	6E	5		R665	A	274	37	7E	13
R516	Â	218	140	3F	7		R592	A	52	117	6E	5	j	R666	В	114	75	5B	14
R517	A	256	139	1F	8		R593	A	55	117	7E	5	1	R667	В	224	50	6E	14
R518	Α	222	63	1F	12		R594	Α	283	22	4E	13	١	R668	Α	81	89	5B 8B	15 15
R519	Α	149	83	1F	11		R595	A	280	22	4E	13	-	R669 R670	A	96 112	88 88	11B	15
R520	A	186	62	3F	11		R596 R597	A	278	22	3E 3E	13	1	R671	A	127	89	8D	15
R521	A	273 297	53 53	7C 5E	13 13	П	R598	Â	285	22	4E	13	١	R672	A	128	76	11D	15
R522 R523	Â	291	35	7D	13		R599	A	120	49	3E	16	١	R673	A	81	76	2B	15
R524	B	38	52	4C	4		R600	Α	63	128	11D	5	١	R674	Α	146	44	3B	16
R525	A	288	16	3F	13		R601	A	245	25	10D	13	П	R675	A	107	141	4F	6
R526	Α	269	37	7E	13		R602	A	259	28	11D	13	П	R677	A	58 78	60 137	6F 2F	3
R527	A	128	74	11C 5F	15	1	R603 R604	A	61 196	110 72	10B 9E	17	П	R678 R679	A	83	133	3F	6
R528	A	111 82	141	2F	6	ı	R605	A	247	100	8E	17		R680	A	86	129	3E	6
R529 R530	A	173	96	4D	9	ı	R606	A	244	132	6E	17		R681	В	276	49	2D	13
R531	A	47	15	2F	3	١	R607	A	95	113	6C	17		R682	Α	113	133	5E	6
R532	A	231	101	1D	10	ı	R608	Α	30	92	8E	2		R683	A	115	141	5F	6
R533	В	64	48	9B	3	ı	R609	A	30	124	5F	5		R684	A	66	37	5E 3E	3
R534	В	87	24	6C	3	ı	R610	A	36	121	6F 6E	5	П	R685 R686	A	77 34	14 29	2E	3
R535	В	40	53	4C 10D	6	ı	R611 R612	A	38	117	10D	5	Щ	R687	A	46	21	2E	3
R536	A	125	116	9D	6	L	R613	I A	63	130	11E	5		R688	A	48	20	2F	3
R537 R538	Â	128	49	3D	16	1	R614	Α	64	112	9D	5		R689	Α	51	15	2F	3
R539	Α	42	87	8D	2		R615	Α	56	132	8E	5		R690	Α	34	45	3E	4
R540	Α	17	105	3€	5		R616	Α	25	135	4E	5		R691	В	175	93	4D	9 7
R541	Α	35	128	6E	5		R617	A	25	133	4F 4F	5		R692 R693	B	197 172	125 65	4D 4D	11
R542	A	52	125	8D 4E	5		R618 R619	A B	22	129 94	3C	5		R694	В	63	64	7E	3
R543 R544	A	20 43	109	2D	5		R620	A	160	106	2E	9		R695	Α	123	69	10D	15
R545	A	288	51	6E	13	ı	R621	Α	162	118	1F	9		R696	Α	126	125	10E	6
R546	Α	293	37	8D	13	1	R622	Α	167	114	2F	9	ו	R697	A	72	85	6B	15
R547	Α	247	21	10E	13		R623	A	198	93	4F	9		R698	A	108	68	8B	15 15
R548	A	265	37	7E	13		R624	A	190	93	3F	9		R699 R700	A	112 115	81 81	11B 8D	15
R549	A	198	133	3D	7		R625 R626	A	212	100	4E 4E	9	1	R700	I A	81	82	3B	15
R550	A	271 267	15 53	3E 8C	13		R627	A	239	115	2F	10	1	R702	ÌÂ	147	41	3B	16
R551 R552	A	141	40	4A	16		R628	Â	231	115	1F	10		R703	Α	120	54	3D	16
R553	A	141	37	4B	16	1	R629	A	240	113	1E	10	1	R704	Α	128	46	3E	16
R554	A	244	124	6E	17		R630	A	245	115	2E	10		R705	A	153	41	3A	16
R555	A	245	93	8E	17	1	R631	Α	174	124	1E	7		R706	В	60	50	10C	3
R556	Α	195	62	9E	17		R632	A	178	143	1F	7	1	R707 R708	B	58 38	50 29	10C 2E	3
R557	A	106	131	5E	6		R633	A	172	141	2F 2E	7 7	1	R708	A	36	29	2E	3
R558	A	72	11	4D	3		R634 R635	A	165 212	140	3F	7	1	R710	B	89	27	6C	3
R559	ВВ	22 17	26 32	4B 4C	2	1	R635	A	218	138	4F	7	ĺ	R711	В	89	28	6C	3
R560 R561	В	43	89	8B	2		R637	Â	215	130	4E	7		R712	В	89	30	6C	3
R562	В	36	89	8C	2		R638	A	227	123	3E	7		R713	В	57	50	10C	3
R563	В	29	142	8B	5		R639	Α	275	134	1E	8	Ī	R714	В	41	59	5C	4
R564	В	32	132	8C	5	1	R640	A	264	139	25	8		R715	B	41	58 56	5C 5C	4
R565	Α	234	135	7D	7		R641	A	258	139	2F	8		R716	В	41	20		
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ROHDE & SCHWARZ

Benennung: EE IQ-CONVERTER

Designation: IQ-CONVERTER

Sprache: Lang.: de Blatt: Sh.: 8 +

Aei: C.I.: 04.05

Typ: Type: SMIQ

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Datum: 99-02-03

Abteilung: 1GPK

Name: BU Name:

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Nicht-Service-Relevante	Bauteile / No	on-Service-F	{elevant Com	iponents

el. Kennz	Saita			Planq.	BI.	П	el. Kennz	Seite			Plang.	BI.	Т	el. Kennz.	Seite			Planq.	BI.
1	Side	Х	Υ	Sar	Pg	Н	Part	Side	X	Y	Sar	Pg		Part	Side	X	Υ	Sar	Pg
Part		17	87	1E	5	lŀ	R791	В	223	62	2C	12	ŀ	V9	Α	208	98	4E	9
R717 R718	A	150	105	2E	9	Н	R792	В	210	66	10	12		V10	Α	244	109	2E	10
R719	A	202	98	4E	9	Н	R793	В	210	71	1C	12		V11	Α	168	128	2E	7
R720	A	242	103	1E	10	Н	R794	В	222	74	3B	12		V12	Α	222	127	4€	7
R721	Â	168	132	1E	7	H	R795	В	223	70	3C	12		V13	Α	273	138	2E	8
R722	Â	220	131	3E	7	H	R796	A	269	101	4E	10	H	V14	Α	195	128	4D	7
R723	A	274	141	1E	8		R797	Α	267	102	3E	10		V15	Α	174	71	4D	11
R724	A	213	80	1E	12	ll	R798	A	300	110	4E	8		V16	Α	219	81	2E	12
R725	A	183	69	4E	11		R799	A	300	108	4E	8		V17	Α	186	73	4E	11
R726	l A	145	76	2E	11	ΙI	R800	Α	257	70	4E	12		V18	Α	152	76	2E	11
R727	A	272	22	3E	13	Н	R801	Α	255	70	3E	12	Н	V19	В	128	115	10C	6
R728	Α	226	50	10D	14	ll	R802	В	253	113	4B	10	Н	V20	Α	275	16	3E	13
R729	В	128	121	10B	6		R803	В	269	143	3B	8		V21	Α	108	135	5E	6
R730	Α	89	123	3E	6		R804	В	272	133	3B	8		V22	В	134	117	10B	6
R731	Α	121	107	9D	6	li	R805	B	227	84	4A	12	l	V23	A	96	126	3E	6
R732	A	33	23	2E	3	H	R806	Α	279	116	3F	10	Н	V24	Α	117	114	9D	6
R733	Α	18	115	3E	5	ll	R807	Α	276	125	3F	8	Н	V25	Α	121	120	9E	6
R734	Α	20	115	3E	5	П	R808	Α	250	83	3F	12		V26	Α	125	120	10E	6
R735	Α	22	115	3E	5		R809	Α	270	112	4E	10		V27	Α	79	20	3E	3
R736	В	173	109	4B	9		R810	Α	271	101	3E	10		V28	A	64	40	5E	3
R737	В	169	80	4B	11	l	R811	A	282	116	3F	10	l	V29	À	60	64 27	6E 2E	3
R738	В	96	114	2C	6	l	R812	A	274	116	3F	10	Ιl	V30	A	42	27 45	3E	3 4
R739	В	289	53	2B	13	[R813	A	286	125	4E	8	ļΙ	V31	B	42 17	23	3B	2
R740	A	33	118	6E	5	H	R814	A	278	125	4F	8	١l	V32	В	17	30	3C	2
R741	A	72	77	6B	15	П	R815	A	274	129	3F	8	l	V33 V34	В	21	23	3B	2
R742	A	110	65	9B	15 15	11	R816 R817	A	299 255	113	3E 3F	12		V34 V35	В	36	93	8C	2
R743	A	106	79	11B 9D	15	1	R818	l Â	259	68	4E	12	H	V36	В	42	91	8B	2
R744	A	119	79 67	11D	15	ΙI	R819	A	247	83	3F	12	П	V37	В	40	92	8B	2
R745	A	121	81	3B	15		R820	Â	253	70	3E	12	H	V38	В	26	100	2C	5
R746	A	75 126	61	2D	16		R821	A	273	111	3E	10		V39	В	24	136	8B	5
R747 R748	Â	22	95	2E	5		R822	Â	295	124	3E	8		V40	В	28	133	8C	5
R749	A	22	93	2E	5	1	R823	Â	252	62	3E	12	i	V41	B	27	141	88	5
R750	Â	108	139	5E	6		R824	В	272	136	3C	8	l	V42	В	34	101	2C	5
R751	Â	110	139	5E	6		R825	A	57	140	10D	5	l	V43	В	184	104	4B	9
R752	Â	114	139	5E	6	ı	R826	A	52	140	10C	5		V44	В	194	130	5B	7
R753	A	112	139	5E	6	1	R827	В	64	142	10E	5	ı	V45	В	180	74	4B	11
R754	В	21	110	5C	5		R828	В	258	29	9D	13		V46	В	283	20	7C	13
R755	В	21	108	4C	5		R829	Α	255	33	9D	13		V47	В	283	25	6B	13
R756	В	21	107	4C	5		R830	Α	258	34	9E	13		V48	В	288	18	6C	13
R757	В	239	35	3D	14	1	R831	Α	61	140	10D	5		V49	В	272	53	2C	13
R758	Α	111	113	7C	17		R832	Α	63	140	10E	5	•	V50	В	262	52	2D	13
R759	Α	256	134	7E	17	ı	R833	В	156	71	2C	11	1	V51	В	280	46	2A	13
R760	Α	263	98	9E	17	1	R834	В	194	81	6B	11	ı	V52	B	279	53	2C	13
R761	Α	207	69	10E	17	1	R835	В	241	73	5B	12	ı	V53	В	271	48	2C	13
R762	B	55	47	10B	3		R836	В	222	66	2C	12	l	V54	В	113	124	8C 7B	6 3
R763	В	57	120	10B	5	ı	R837	В	159	102	2C	10	1	V55 V56	B	86 222	40 52	6E	14
R764	В	255	20	10C	13	ı	R838	В	240	98	3C 5C	10		V50 V57	В	21	78	6C	2
R765	A	105	69	3C	17		R839	В	269	103	11B	6		V58	В	63	140	10D	5
R766	B	68	21	4C	3		R840	B	135	85	3E	15	l	V59	В	59	127	10C	5
R767	ВВ	17 14	38 37	4C 4C	2 2		U1 U1	A	84	85	5B	15		V60	В	258	32	9D	13
R768 R769	В	15	72	6C	2		U2	Â	99	85	6E	15	Ì	V61	В	255	27	10C	13
R770	В	15	74	6C	2		U2	A	99	85	7B	15		V62	В	104	125	7D	6
R771	В	117	126	8C	6	1	U3	Â	115	85	10B	15		V63	8	40	78	7C	4
R772	В	68	19	4C	3		U3	Â	115	85	5E	15		V64	A	15	112	3E	5
R773	В	70	22	4C	3	1	U4	Â	130	85	4E	15		V65	Α	38	125	6E	5
R774	В	259	51	2D	13	1	U4	A	130	85	7D	15		V66	Α	18	95	1E	5
R775	В	119	110	9B	6	-	U5	Α	130	73	10D	15	1	V67	Α	19	139	4E	5
R776	Ā	38	101	10D	2		U5	A	130	73	3E	15		V68	Α	177	99	4D	9
R777	A	30	101	9D	2	1	U6	Α	84	73	1E	15		V69	Α	153	105	2E	9
R778	В	242	95	3C	10	1	U6	Α	84	73	2B	15	1	V70	Α	209	100	4E	9
R779	В	232	95	2C	10		U7	В	230	43	10D	14	ļ	V71	Α	242	109	1E	10
R780	В	232	98	2C	10		U7	В	230	43	10D	14		V72	Α	173	128	15	7
R781	В	242	104	3D	10	ı	U7	В	230	43	6F	14	1	V73	Α	227	127	3E	7
R782	В	241	111	3D	10	1	U8	8	73 `	123	1D	6	1	V74	ļ Ą	276	137	1E	8
R783	8	293	129	5C	8	1	V1	В	70	87	2F	15		V75	A	200	128	4D	7
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ROHDE & SCHWARZ

Benennung: EE IQ-CONVERTER

Designation: IQ-CONVERTER

Sprache: Lang.: de Blatt: Sh.: 9 +

Aei: C.L.: 04.05

Typ: Type: SMIQ

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Datum: 99-02-03

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Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

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Service Documents

Module IQ Modulator and Option B47

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Contents

7 Test	ing and Repair of the Module	5
	nction Description	
7.1.1	LF Generator	L V
	Output Unit	
	1 Amplitude Modulator and Preset	
	2 Output Amplifier	
	3 Down-conversion	
	4 LO Synthesis	
	5 Level Conditioning	
	Vector Modulator	
	1 LO Conditioning and Modulator	
	2 Level Attenuation	
	3 Pulse Modulation	
	4 Power Ramping	
	5 IQ Detector	
	6 IQ Modulation Path	
	7 Option B47 (WCDMA Filter)	
	est Instruments and Utilities	
	oubleshooting	
	esting and Adjustment	
	Data Transmission and Power Supply	
	Reference and Supply Voltages	
	1 Adjusting 10-V Reference	
	2 Checking the ±5.5-V Supply	
	LF Generator	
	2 Offset Adjustment	
	4 Amplitude Setting	
	5 Frequency Response	
	Output Unit	
	1 Reference ±6V	
	2 Channel Switch	
	3 Setting Modulation Depth	
	4 Monitoring External AC	
	5 Setting Preset	
	6 Level Setting 1	
	7 2.4-GHz PLL	
7.4.4.	8 2.4-GHz LO	. 6
7.4.4.	9 Level Characteristic 1	. 6
7.4.4.	10 Output Detector and Detector Adjustment 1	.7
7.4.4.	11 Broadband Noise Output Unit 1	. 8
	IQ-Modulator 1	
	1 Reference Voltages 1	
	2 Setting Quadrature 1	
	3 Setting Imbalance 1	
	4 Setting Leakage	
	5 Offset Compensation 2	
	6 IQ-Change and Calibration Switch 2	
	7 IQ Modulation Path 2	
	8 300-MHz LO 2	
	9 Power Ramping Control	
7.4.5.		
	11 IQ300 Output - Level Attenuation	
	12 Level Attenuation Control	
	13 Pulse Modulation Control	
7.4.5.	14 IQ-Detector and Detector Adjustment	. 3

	4
7.4.5.15 IQAM	4
To a second Dogmondo TO Modulator	_
m and managed Modern TO Modulator	_
The boundary of the second of	
7.4.6 Board Interrupt	7
7.4.7 Diagnosis	8
7.4.7 Diagnosis	2
	_
7.5 Removal and Assembly	9
1.0 ENCOLIMAL ALLOYS THE PROPERTY OF THE PROPE	

Part list Coordinates list Circuit diagram Layout diagram

7.1 Function Description

The IQ Modulator module is divided into the three function units LF Generator, vector modulator and output unit.

The LF Generator is provided as internal modulation signal for FM/ ϕ M or AM, but it is also provided at a separate output 'LF out'.

The IQ modulator generates a vector-modulated 300-MHz signal which is required on the IQ converter board for synthesis of a vector-modulated RF carrier. Power ramping, which is necessary for digital mobile radio networks is accomplished by means of an additional amplitude modulator of large bandwidth. Another level control element with a digital control signal allows for fast level attenuation of up to 70 dB for alternative level setting in the time slots. Pulse modulation with an ON/OFF ratio > 80dB is implemented by means of two fast GaAs switches.

The output unit comprises the complete level conditioning and the AM modulator for the output frequency range up to 3.3 GHz. The frequency range below 450 MHz in CW mode or 750 MHz in IQ mode is generated by down-conversion using a 2.4-GHz signal. In CW mode, output signals above 3040 MHz are obtained by up-conversion with the 300-MHz signal of the vector modulator.

7.1.1 LF Generator

The LF Generator supplies a sinewave signal with a frequency which can be set between 0.1 Hz and 1 MHz. The signal is provided at the 'INT1' line with an amplitude of 1 V. In addition, the level from 1 mV to 4V peak can be selected at the output 'LFOUT'.

A Direct Digital Synthesis is the nucleus of the LF generator. The reference frequency of the DDS is 50 MHz. The increment can be set by a 32-bit value. The integrated DA converter provides a 10-bit resolution. All internal registers are assigned '0' by means of a reset component. With power off, the component operates in 'sleep mode' in order to reduce power consumption.

The DDS component supplies a sinewave with a constant amplitude of 2V peak-to-peak and a dc offset of 1V. The summing module N11 adds a constant voltage to the output signal to compensate for the offset. Offset adjustment is performed via R124. The output signal N11 is used as internal modulation signal on 'INT1'.

Level conditioning for the LF output 'LFOUT' follows using the 12-bit DA converter N41. The output amplifier N10 increases the voltage range to 4V peak.

7.1.2.1 Amplitude Modulator and Preset

The output signal 'IQFIL' of the IQ converter is first applied to the level preset element V9. Thus, the AM modulator can operate at its ideal operating point independent of the level set. The control voltage 'V_PRESET' which is set via the 8-bit converter U1 is obtained by the internal preset calibration depending on the output frequency and the output level. A difference amplifier V38/V40 with the current source V39 provides for a constant current through the pin diodes in IQ-Off and ALC-OFF modes and thus for a temperature-stabilized attenuation value.

The RF signal passes to the AM modulator V3/V4/V8 via the broadband amplifier V102. Similar to the preset element, this signal is controlled via a difference amplifier V41/V56 with the current source V42 to ensure high temperature-stability with clamped level. The insertion loss of the modulator is compensated by the RF amplifier N4.

7.1.2.2 Output Amplifier

The GaAs-switches D55 and D56 route the RF signal either directly to the output amplifier or to the RF input of the down-converter to generate the frequency range below 450 MHz. The pin diodes V108/V110/V170/V171 improve crosstalk in the down-converter mode to better 80dB. They are controlled via the operational amplifier N6.

The 3-stage output amplifier V144/V103/V104 increases the level up to 19 dBm. The working point of the GaAs-Fets is stabilized by the current source V1/V2/V6 for the drain current and a control for the drain voltage through N1/N2.

A harmonic filter which follows the output amplifier V104 improves the harmonics suppression for output frequencies above 1.8 GHz.

A directional coupler consisting of the resistors R511, R902 and R922, applies part of the output power to the peak rectifier V46. The latter is accordingly broadband to cover the complete frequency range. A second charging capacitor C549 can be switched on in addition for output frequencies below 5 MHz. The detector characteristic is linearized using the log module N39, ,N40 and N41.

The balancing transformer T1 decouples the output power at the floating gate of the transfomer.

7.1.2.3 Down-conversion

The frequency range below 450 MHz is obtained on the output unit by down-conversion with a 2.4-GHz LO signal. The GaAs switch D56 passes the modulated RF signal to the RF gate of the diode mixer U9. The IF amplifier V148 amplifies the IF signal by approx. 15dB. A succeeding filter suppresses unwanted mixing products such as 3*LO-2*RF, and the LO frequency

7.1.2.4 LO Synthesis

The LO signal for mixing is derived from the 600-MHz signal of the step synthesis in the 2.4-GHz PLL consisting of the VCO V130, L108, C452 and V111, the divider :4 D44, the phase detector and the PI control N14.

A power divider R291/R294/R293 at the VCO output decouples part of the power and applies it to the LO gate of the mixer U9 via the LO amplifier stages V154, V147 and V99. The control element for the pin diodes is used to adjust the LO level to approx. 17 dBm on the mixer. With mixer active, the amplifier stages V154, V147 and V99 are switched off via their supply voltage.

7.1.2.5 Level Conditioning

The command value of level control is given by the 12-bit converter 'LEVEL' D43. The controller of the level control loop N35 allows for selection between two control bandwidths (switch D15). The narrow bandwidth of approx. 5kHz is used in CW mode, the broad one of approx. 20 kHz with AM modulation. For carrier frequencies below 5 MHz the control is always switched slow.

Electronic level blanking is accomplished by the offset current applied via R316 and switched by the signal 'Klemm_N'. The level is thus prevented from increasing too much after level gaps occurring with change of frequency.

In IQ and ALC OFF modes, the switch D15 and the control signal 'ALC_ON' are used to switch over the controller N35 to the AF amplifier. In addition, the measured value of the level detector must be disconnected via the switch D8.

AM is performed using an externally applied modulation signal 'EXT1' or internally by means of the 'INT1' signal of the LF generator. Two-tone modulation is achieved by simultaneous modulation with both signals. Either ac coupling (coupling capacitor C606/C607) or dc coupling may be selected for the externally applied modulation signal. Selection is made via switches D9 and D10.

A window comparator N42 monitors the modulation signal with AM with ac coupling to the rated value of 1V peak and supplies an interrupt which is triggered if the deviation from the rated value exceeds 3%. The interrupt triggers a warning message in the display.

The modulation depth is set by the 12-bit DA converter 'AMOD' D42. Its output signal is added to a fixed dc reference 'AM-6V' and is used as reference for the DA converter 'LEVEL' D43 of level setting.

7.1.3 Vector Modulator

7.1.3.1 LO Conditioning and Modulator

The vector modulator operates at a fixed frequency of 300 MHz. The 300-MHz signal is obtained from the 600-MHz reference of step synthesis by means of division (:2 divider N28). A 3-stage LO driver V82, V81 and V83 amplifies the signal at the divider output to approx. 25 dBm and passes it to the 90° power divider B1.

The latter generates two 300-MHz carriers with a phase relation of 90°. The phase relation may be varied by $\pm 20^\circ$ via a tunable phase shifter V123/V125/V122/V124 in the I-path or L50, V127/V126/V128/V129 in the Q-path, each.

The 300-MHz signals are amplified to approx. 17 dBm via the LO drivers V75 and V77 and applied to the LO input of the I-mixer U11 or of the Q-mixer U12. The modulated signal is first amplified at the RF output of the modulation mixer by means of the amplifiers N46 and N47 and then subject to a harmonic filter. The addition of the modulated signals of the I and Q paths is carried out by the 0°-power summer U4.

7.1.3.2 Level Attenuation

After the addition, the modulated signal is applied to two pin diode attenuators V50,V52 and V53,V71 which are separated by an amplifier N45. The attenuators allow for fast level attenuation by 0 to 70 dB. (transient < 15 μ s)

With digital modulations, the control elements are used for fast level attenuation in particular time slots (control via input `X240 A10' `LEVATT_MOD') and as electronic attenuator in the operating mode `LEVEL LEVEL ATTENUATOR MODE ELECTRONIC'.

In the operating mode without level attenuation, two current sources V78 and V76 ensure a constant current of approx. 1mA through the pin diodes. Potentiometer R2 permits to adjust the level at the output X242 by varying this current. N37 is out of operation in this case.

In the operating mode with level attenuation, a current depending on the voltage V_LEVATT is set by means of N37. The DA converter D46 'LEVATT' permits to vary the voltage V_LEVATT for setting the attenuation. To determine the converter setting for a desired attenuation value, the IQ detector is used in conjunction with an internally executed calibration routine. (UTILITIES CALIB LEV ATT)

The 0-dB setting for the operating mode with level attenuation is adjusted using potentiometer R1111 such that a DA converter value of approx. 3500 is obtained. The NTC resistor R1129 is used for compensation of the temperature-dependent attenuation of the control elements.

Switchover between impressed current and controlled current is effected by means of switches D12 and D13, both control elements being switched at the same time.

7.1.3.3 Pulse Modulation

Pulse modulation is enabled by switches D50 und D51. The conversion of the TTL signal to the control signal of the GaAs switches (0V <-> -6V) is made using transistors V134,V136,V158,V159. The inverter D7 permits to invert the pulse polarity.

7.1.3.4 Power Ramping

Linear power ramping is performed by means of the two analog multipliers in the I and ${\tt Q}$ path.

To increase the dynamic range of the assembly to $>\!80\,\mathrm{dB}$, the switch to the IQ detector D28 is actuated with approx. $-40\,\mathrm{dB}$ attenuation. A comparator

N30 derives the control signal for the switch D28 from the command value of N24.

The linearity of the burst modulator up to an attenuation of approx. 30 dB is adjusted via Poti R807.

With switch D5 the burst control input can be switched off and the command value be replaced by an internally generated reference voltage.

Following the switch D28, the 300-MHz signal is passed via a harmonic filter and a power divider to the two outputs 'IQAUX' X241 and 'IQ300' X242. The signal 'IQAUX' provides the signal at the rear panel of the instrument, while 'IQ300' passes the signal to the 'IQ-Converter' module.

7.1.3.5 IQ Detector

The GaAs switch D28 allows for routing the signal of the IQ modulator to the level detector V106. The linearization circuit consists of the opamps N25 and N32.

The IQ detector is used for calibrating the IQ modulator and for determination of the level-attenuation setting.

7.1.3.6 IQ Modulation Path

The I and/or Q-modulation signals are applied to the $50-\Omega$ termination R370/R369 and/or R372/R371 via the GaAs switches D37 and D54. The switches allow for applying known dc voltages to the modulation inputs for calibration purposes, for operating modes broadband-AM, pulse modulation, and for frequencies above 3040 MHz.

The voltages available are $\pm 1\text{V}$ for calibration of the IQ imbalance, $\pm 0.707\text{V}$ for the quadrature offset and 0V for residual carrier calibration. Two analog multiplexers D16 and D17 allow for selection of the desired calibration reference. The opamp N19 measures the voltages at D17 and D16 and supplies the required current for the $50-\Omega$ load.

The video multiplexer D40 allows for exchanging the I-channel and the Q-channel. This is necessary, since both sidebands occurring with upconversion in the IQ converter or down-conversion in the output unit are used to avoid spuriae. The exchange may also be made via the firmware.

One analog multiplier D1 in the I-channel and one (D2) in the Q-channel are provided for individual level setting. Two 8-bit DA converters 'ILEV' U2 and 'QLEV' U3 ensure the setting range of approx. ±25%. Definite variation of the IQ imbalance via the firmware is thus possible as well as adjustment during IQ calibration.

Switching the AM-reference input to the ILev or QLev entries of the multipliers by means of D11 allows an AM during IQ-operation (IQAM). Since power ramping is also implemented with the aid of the multipliers, power ramping and IQAM exclude each other.

The DC offset applied to the Y2 input of the two multipliers permits to compensate for offsets produced ahead of the multiplier. The twofold 12-bit DA converter D61 is available for this purpose. The required calibration is performed internally with the vector modulator calibration.

The dc offset fed at the Z-input of the two multipliers compensates the residual carrier or it is set via the firmware. To this end, two 12-bit

DA converters 'IOFFSET' D45 and 'QOFFSET' D48 ae available. With broadband AM, the residual carrier at the I-channel is set to 50% via the DA converter 'IOFFSET'.

The third adjustment quantity, the quadrature, is set using the 12-bit converter 'IQPHASE' D47 and influences directly the phase shifters in the RF path of the LO signal preceding the modulation mixers for I and Q. The opamp N18 is used to derive two negative-phase sequence tuning voltages from the converter output voltage, one of them being passed to the phase shifter in the Q-path, consisting of V126 to V129. The other one is passed to the phase shifter in the I-path which consists of V122 to V125.

7.1.3.7 Option B47 (IQ Filter)

If the module is enabled for Option B47, the I and Q signals are filtered after the analog multipliers either by a 850-kHz lowpass, 2.5-MHz lowpass, 5-MHz lowpass or 70-MHz lowpass (IQ_FILTER 850kHz, 2.5MHz, 5MHz or OFF). The two paths are switched by means of FETs which are driven by D59 and N4.

7.2 Test Instruments and Utilities

- Spectrum analyzer FSEA or FSEB
- Level meter NRV with Z51
- DC/AC voltmeter UDS5
- Oscilloscope BOS
- Two DC voltage sources
- AF signal generator AFGU
- SMA attenuator pads 6dB and 10dB
- Signal generator SMHU

Error description	Remedy	
LF Generator Frequency Error	7.4.3.3	Frequency Setting
LF Generator Level Error	7.4.2.1 7.4.3.2 7.4.3.4	Offset Adjustment
PLL2.4GHz Out Of Synchronisation	7.4.4.7	2.4-GHz PLL
ALC Error CW <450MHz	7.4.4.5 7.4.4.6 7.4.4.7 7.4.4.8 7.4.4.9	Reference Voltage ±6V Setting Preset Level Setting 2.4-GHz PLL 2.4-GHz LO Level Characteristic Output Detector
ALC Error CW >450, <3040MHz	7.4.4.5 7.4.4.6 7.4.4.9	Reference Voltages Setting Preset Level Setting Level Characteristic Output Detector
ALC Error CW >3040MHz	7.4.4.5 7.4.4.6 7.4.4.9	Reference Voltages Setting Preset Level setting Level Characteristic Output Detector IQ Modulator
Level Linearity Attenuator Fixed	7.4.4.10	Output Detector
Attenuator Electronic	7.4.5.11	IQ Modulator Adjustment Level Att. Control Level Att.
AM Error	7.4.4.3 7.4.4.5	Channel Switch Setting Modulation Depth Setting Preset Output Detector
AM Error with vector modulation	7.4.5.5 7.4.5.15	Offset Compensation IQAM
Insufficient Harmonic Suppression	7.4.4.5 7.4.8	Setting Preset Operating Points of Amplifier Stages
Preset Calibration Aborted	7.4.4.6	Setting Preset Level Setting Level Characteristic

Error description	Remedy
	7.4.4.10 Output Detector
Vector Error Too High	7.4.4.9 Level Characteristic 7.4.5.2 Setting Quadrature 7.4.5.3 Setting Imbalance 7.4.5.4 Setting Leakage 7.4.5.8 300-MHz LO 7.4.5.16 Frequency Response IQ Modulator
IQ Calibration Aborted	7.4.5.1 Reference Voltages 7.4.5.2 Setting Quadrature 7.4.5.3 Setting Imbalance 7.4.5.4 Setting Leakage 7.4.5.6 IQ-Change and Cal. Switch 7.4.5.8 300-MHz LO 7.4.5.11 Output IQ300 7.4.5.14 IQ Detector 7.4.5.16 Frequency Response IQ Modulator
Residual Carrier Too High	7.4.5.4 Setting Leakage 7.4.5.5 Offset Compensation 7.4.5.14 IQ Detector
Error with Power Ramping	7.4.5.9 Power Ramping Control 7.4.5.10 Power Ramping Linearity
Error with Level Attenuation	7.4.5.12 Level Attenuation Control 7.4.5.11 Level Attenuation Tuning
Pulse Modulation	7.4.5.13 Pulse Modulation Control
Broadband Noise	7.4.4.11 Broadband Noise Outp. Unit 7.4.5.16 Freq. Resp. IQ Modulator 7.4.5.17 Broadband Noise IQ Mod.

E-1

7.4 Testing and Adjustment

All measured values given without tolerances are recommended values. Voltages given without further information mean dc voltages.

At the beginning of each section, the instrument or module is assumed to be in the PRESET state.

The service kit contains an adaptor to make the module accessible. The adaptor is plugged into the chassis instead of the module and the RF connections at the bottom are connected. Then, the module can be plugged into the adaptor.

In the following sections, test and measurement points are quoted which are not available for the modules of the first series. In these cases the description of the test point according to the components is useful.

7.4.1 Data Transmission and Power Supply

According to the instrument standard, the module is controlled via a serial interface using the SERBUS-D component. Settings and associated data are given in the Section 'Digital Interfaces'. The rated power consumptions of the respective supply voltages can be looked up in the Section 'External Interfaces'.

Reference and Supply Voltages

7.4.2.1 Adjusting 10-V Reference

- Connect dc voltmeter to P29
- ➤ Adjust to 10V ±0.1% using potentiometer P516
- Setting: UTILITIES DIAG TPOINT STATE ON

UTILITIES DIAG TPOINT TEST POINT 2101

> Check diagnosis voltage to 10V ±2%

7.4.2.2 Checking the ±5.5-V Supply

- Connect dc voltmeter to P23
- Check the supply voltage to +5.5V ±0.1V
- Connect dc voltmeter to P24
- > Check the supply voltage to -5.5V ±0.1V

7.4.3 LF Generator

7.4.3.1 Reference Voltages

- Connect dc voltmeter to P14
- > Check the supply voltage to 1.5V ±0.2%

Offset Adjustment 7.4.3.2

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- Connect dc voltmeter to P50 (INT1 and LFINT)
- LF_OUTPUT STATE ON Setting:

LF OUTPUT LFGEN FREO 1kHz

LF_OUTPUT VOLTAGE 1V > Adjust the offset voltage to ±.5mV using potentiometer R124

E-1

7.4.3.3 Frequency Setting

- Connect oscilloscope to reference crystal G1 pin3
- > Check frequency to 50MHz (TTL)
- Connect frequency counter to LF

Setting:

LF OUTPUT STATE ON

LF_OUTPUT LFGEN_FREQ 1MHz

LF_OUTPUT VOLTAGE 1V

 \triangleright Check the LF frequency to 1MHz $\pm 10^{-5}$

7.4.3.4 Amplitude Setting

Connect ac voltmeter to LF

Setting:

LF_OUTPUT STATE ON

LF_OUTPUT LFGEN_FREQ 1kHz

LF_OUTPUT VOLTAGE 4mV, 40mV, 400mV, 4V

- > Check peak amplitude to 4mV, 40mV, 400mV, 4V ±(1%+1mV)
- Connect ac voltmeter to P50 (INT1 or LF-INT)
- > Check peak amplitude to 1V ±1%

7.4.3.5 Frequency Response

- Connect ac voltmeter to LF
- Setting:

LF OUTPUT STATE ON

LF_OUTPUT LFGEN_FREQ 10Hz to 1MHz

LF_OUTPUT VOLTAGE 1V

- Reference measurement at 10Hz
- > Check level to 0.4dB deviation up to 100kHz, 3dB to 1MHz
- Connect ac voltmeter to P50 (INT1 or LF-INT)
- Cotting.

LF_OUTPUT LFGEN_FREQ 10Hz to 1MHz

- Reference measurement at 10Hz
- > Check level to 0.4dB deviation up to 100kHz, 3dB to 1MHz

7.4.4 Output Unit

7.4.4.1 Reference ±6V

- Connect dc voltmeter to P26
- > Check the voltage to +6V ±0.2%
- Connect dc voltmeter to P25
- > Check the voltage to -6V ±0.2%

7.4.4.2 Channel Switch

- Apply 1V dc to 'EXT1'
- Setting: ANALOG_MOD AM AM_SOURCE_EXT EXT1
 ANALOG_MOD AM AM_EXT_COUPLING DC
 - Connect dc voltmeter to P11
- > Check dc voltage to 6V ±2%
- Setting: ANALOG_MOD AM AM_SOURCE_EXT EXT1 ANALOG_MOD AM AM_EXT_COUPLING AC
- > Check dc voltage to 0V ±10 mV

- Apply 1kHz/1V peak to 'EXT1'
- Connect ac voltmeter to P11
- > Check ac voltage to 6V peak ±2%
- Disconnect voltage applied to 'EXT1'

• Setting:

ANALOG_MOD AM AM_SOURCE_INT INT

ANALOG_MOD LFGEN_FREQ 2kHz

➤ Check ac voltage to 6V peak ±2%

7.4.4.3 Setting Modulation Depth

• Connect ac voltmeter to P10

Setting:

ANALOG_MOD AM AM_SOURCE_INT INT

ANALOG_MOD AM LFGEN_FREQ 1kHz

ANALOG_MOD AM_DEPTH 100%, 50%, 10%, 5%, 1%

> Check ac voltage to 6V, 3V, 600mV, 300mV, 60mV peak ±5% .

7.4.4.4 Monitoring External AC

Connect LF to 'EXT1' via T-junction

• Connect ac voltmeter to T-junction

• Setting:

LF_OUTPUT STATE ON

LF_OUTPUT LFGEN_FREQ 1kHz

LF_OUTPUT VOLTAGE 1V

ANALOG_MOD AM AM_SOURCE_EXT EXT1 ANALOG_MOD AM AM_EXT_COUPLING AC

Measure voltage at ac voltmeter

Set LF-generator level to 1V peak

Connect dc voltmeter to P1 or P3

> Check voltage at P1 and P3 to OV

- Set LF-generator level to 1.03V peak
- Check voltage at P1 to 5V
- Set LF-generator level to 0.97V peak
- > Check voltage at P3 to 5V

7.4.4.5 Setting Preset

• Setting:

FREQUENCY 1GHz

LEVEL 13dBm

UTILITIES DIAG TPOINT STATE ON

UTILITIES DIAG TPOINT TEST POINT 2108

- > Check diagnosis voltage to 2.3V to 4.6V
- Connect dc voltmeter to P54 (C214)
- > Check the DC voltage to 1.0 to 2.8V

7.4.4.6 Level Setting

• Connect dc voltmeter to P13

• Setting:

FREQUENCY 1GHz

LEVEL 16dBm

LEVEL LEVEL ATTENUATOR_MODE FIXED UTILITIES DIAG TPOINT STATE ON

UTILITIES DIAG TPOINT TEST POINT 2110

- Check dc voltage to -4.2V ±1.3V
- Note measured voltage as Vref

- Setting: LEVEL 10, 4, -2, -8, -14
- \triangleright Check dc voltage at P13 to Vref/2, /4, /8, /16, /32, $\pm 5\%$

7.4.4.7 2.4-GHz PLL

• Setting: UTILITIES DIAG TPOINT STATE ON

UTILITIES DIAG TPOINT TEST POINT 2103

Check diagnosis voltage to 50 to 250mV

• Setting: UTILITIES DIAG TPOINT TEST POINT 2105

Check diagnosis voltage to 30 to 100mV

• Setting: UTILITIES DIAG TPOINT TEST POINT 2106

> Check diagnosis voltage to 80 to 180mV

• Disconnect cable at X246 (REF600)

• Setting: UTILITIES DIAG TPOINT TEST POINT 2104

> Check diagnosis voltage to -.9 to -.3V

• Connect cable at X246 (REF600)

Disconnect jumper X8

> Check diagnosis voltage to 21.5 to 23.5V

Plug on jumper X8

> Check diagnosis voltage to 3 to 12V

7.4.4.8 2.4-GHz LO

• Setting: FREQUENCY 1000MHz

> Check diagnosis voltage to ±10mV

• Setting: UTILITIES DIAG TPOINT STATE ON

UTILITIES DIAG TPOINT TEST POINT 2107

FREQUENCY 100MHz

> Check diagnosis voltage to 180mV - 400mV

Adjustment of the LO-level must be carried out only after a sufficient settling time in the mixer mode (frequency < 450 MHz) has elapsed and after the operating temperature has been reached. The adjustment must be carried out with the module opened and the heat dissipator removed (section N only).

- Setting: FREQUENCY 100MHz
- Connect level meter to X3
- > Adjust level to -4.5dB ±.1dB using poti R968

7.4.4.9 Level Characteristic

- Disconnect jumper X6
- Connect first dc-voltage source to X6.2
- Apply 4V dc
- Disconnect jumper X9
- Connect second dc-voltage source to X9.2
- Apply 6V dc
- Setting: LEVEL 16dBm

UTILITIES DIAG TPOINT STATE ON

UTILITIES DIAG TPOINT TEST POINT 2113

FREQUENCY 450, 500 to 3300MHz

Check diagnosis voltage to >5V

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• Setting: UTILITIES DIAG TPOINT TEST POINT 2111

VECTOR MOD STATE ON

FREQUENCY 49; 99 to 749MHz

• Apply 0.5-V dc voltage at X244 'IMOD'

- \triangleright Check diagnosis voltage to >100mV(f \ge 200MHz), >40mV(f<200MHz)
- Connect power meter to X249

• Setting: FREQUENCY 50, 100 to 3300MHz

VECTOR MOD STATE OFF

> Check output level to >18dBm

Apply signal FIQFIL to X247 via 16-dB attenuator

Setting: FREQUENCY 50, 100 to 3300MHz

 \triangleright Check output level to >7dBm (f < 2 GHz) or <16dBm (f > 2GHz)

• Apply 2.4V dc to first dc-source(X6.2)

• Setting: FREQUENCY 50, 100 to 3300MHz

➤ Check output level to <3dBm

7.4.4.10 Output Detector and Detector Adjustment

- Connect dc voltmeter to P57 or P58
- > Check dc voltage to +15V or -10V ±2%

The text below describes how to test the detector linearity. This test must be performed exclusively with board cover screwed.

• Connect power meter to X249

• Setting: LEVEL 5.1dBm

LEVEL LEVEL ATTENUATOR_MODE FIXED

FREQUENCY 5, 500, 1000, 1500 to 3000MHz

- Measure the output level at X249
- Switch power meter to ΔdB , 5.1-dBm level being the reference, respectively
- Setting: LEVEL 10.1, 5.1, 0.1, -4.9 to -14.9dBm
- \triangleright Check rated level to ±.2dB for ≥0dBm, ±.4dB for -5dBm, ±.6dB for -10dBm, ±.8dB for -15dBm

Setting: LEVEL 10dBm

FREQUENCY 1500MHz

- Measure the output level at X249
- Switch power meter to ΔdB , 10-dBm level being the reference, respectively
- Setting: FREQUENCY 5, 500, 1000, 1500 to 3000, 3300MHz
- > Check frequency response to better 4dB

The adjustment of the output detector must not be performed with board uncovered and only after a sufficiently long warm-up time and at correct operating temperature. Remove the label on the cover above the cut-out for the poti R125 to perform the adjustment. Subsequent to adjustment, replace label, perform a preset calibration and update the level correction table.

- Connect power meter to X249
- Setting: LEVEL 5.1dBm

LEVEL LEVEL ATTENUATOR_MODE FIXED

LEVEL 5dBm

FREQUENCY 1500MHz

Measure output level at X249

Switch power meter to ΔdB , 5.1-dBm level being reference

Setting: LEVEL -15dBm

 \triangleright Adjust to -20.0 dB ±.1dB attenuation using poti R125

Broadband Noise Output Unit 7.4.4.11

Unscrew connection from IQCON X227 to IQMOD X247

Terminate IQCON X227 with 50Ω

Connect SMHU to input FIQFIL X247

Setting SMHU:

FREQUENCY see table below

LEVEL 5.0 dBm

Setting SMIQ:

FREQUENCY see table below

LEVEL 5.1 dBm

LEVEL ALC STATE ON

Connect spectrum analyzer to RF socket SMIQ

> Check output level to 5.1dBm ± 1dB and store as 'REF'

Setting SMIQ: LEVEL ALC STATE OFF

Setting SMHU: LEVEL OFF

Setting FSE:

CF see table below

REF LEVEL -50dBm

INPUT ATTENUATION 0dB

SPAN 1kHz RBW 2kHz VBW 5Hz

MARKER NOISE

> Measure noise level in dBm/Hz

> Check the signal-to-noise ratio (S/N) = 'REF' noise level to the table values below

								·	T
FREQUENCY	0.3	1	50-	500	1000	1500	2000	2500	3300
SMIQ in MHz			450						
FREQUENCY	2400.3	2401	2450-	500	1000	1500	2000	2500	3300
SMHU in MHz			2850						
FREQUENCY	0.3	1	50-	501	1001	1501	2001	2501	3301
FSE in MHz			450						
S/N in dBc/Hz	115	120	135	142	142	142	142	142	142
without Opt.		[
B47									
S/N in dBc/Hz	115	120	135	143	144	146	147	147	147
with Opt. B47		-20					Ī		
WICH ODG: Da			<u> </u>		1				

Reference Voltages 7.4.5.1

- Connect dc voltmeter to P51 (V67 Pin1) or P52 (V112 Pin1)
- > Check dc voltage to +10V or -10V ±.3%
- Connect dc voltmeter to P37, P38, P39 and P40, successively
- \triangleright Check dc voltage to 1V, +.707V, -.707V, -1V \pm .5%
- Connect dc voltmeter to P20
- ➤ Check dc voltage to -7.5V ±3%

7.4.5.2 Setting Quadrature

- Connect dc voltmeter to P42 (R98) or P63 (R97)
- Setting:

VECTOR MOD STATE ON

VECTOR MOD IMPAIRMENT STATE ON

- VECTOR MOD QUADRATUR_OFFSET 0°
- > Check dc voltages to 7.5V ±2.5V and store under 'Ref97' and 'Ref98'
- VECTOR_MOD QUADRATUR_OFFSET +10°
- ➤ Check dc voltage at R97 to 'Ref97' +1.25V ±.15V
- Check dc voltage at R98 to 'Ref98' -1.25V ±.15V
- VECTOR MOD QUADRATUR OFFSET -10° Setting:
- ➤ Check dc voltage at R97 to 'Ref97' -1.25V ±.15V
- > Check dc voltage at R98 to 'Ref98' +1.25V ±.15V

7.4.5.3 Setting Imbalance

- Connect dc voltmeter to P35 or P36
- Setting:

VECTOR MOD STATE ON

VECTOR_MOD IMPAIRMENT STATE ON

VECTOR MOD IMBALANCE 0%

- Check the dc voltages to 1.0V ±.1V and store under 'Ref35' and 'Ref36'
- VECTOR_MOD IMBALANCE +10% Setting:
- Check dc voltage at P35 to 'Ref35' +0.1V ±25mV
 Check dc voltage at P36 to 'Ref36' -0.1V ±25mV
- VECTOR_MOD IMBALANCE -10%
- Check dc voltage at P35 to 'Ref35' -0.1V $\pm25mV$
- > Check dc voltage at P36 to 'Ref36' +0.1V ±25mV

Setting Leakage 7.4.5.4

- Connect dc voltmeter to P32 or P41
- Setting:

VECTOR MOD STATE ON

VECTOR_MOD IMPAIRMENT STATE ON

VECTOR_MOD LEAKAGE 0%

- > Check the dc voltages to 0V ±100mV and store under 'Ref32' or 'Ref41'
- Setting: VECTOR MOD LEAKAGE 50%
- ➤ Check dc voltage at P32 to 'Ref32' +250mV ±50mV

- VECTOR MOD LEAKAGE 50% Setting: VEKTOR_MOD IQ_SWAP ON
- > Check dc voltage at P32 to Ref32' +250mV ±50mV

Offset Compensation 7.4.5.5

- Fasten module cover with screws during calibration
- VECTOR MOD STATE ON Setting:
- Disconnect cable X244/X245
- Start calibration Vector Mod
- > Measure dc voltage at D1 and D2 Pin1 and Pin2. Voltage difference between Pin1 and Pin2 smaller than 2mV

7.4.5.6 IQ Change and Calibration Switch

- Connect dc voltmeter to P15 or P16
- Apply +0.5V dc to X244 'I-MOD'
- Apply OV dc to X245 'Q-Mod'
- Setting:

VEKTOR MOD STATE ON

VECTOR_MOD IMPAIRMENT STATE ON

FREQUENCY 2 GHz

- ▶ Check dc voltage at P15 to -250mV ±50mV
- \triangleright Check dc voltage at P16 to 0mV ± 50 mV
- VEKTOR_MOD IQ_SWAP ON Setting:
- ➤ Check dc voltage at P15 to 0mV ±50mV
- ➤ Check dc voltage at P16 to -250mV ±50mV
- Apply +0V dc to X244 'I-MOD'
- Apply +0.5V dc to X245 'Q-MOD'
- VEKTOR_MOD STATE OFF Setting:
- Check dc voltage at P15 to -250mV ±50mV
- Check dc voltage at P16 to 0mV ±50mV

7.4.5.7 IQ Modulation Path

- VECTOR MOD STATE ON Setting:
- Connect dc voltmeter to X10.1 or X11.2
- Apply +0.5V dc to X244 'IMOD' or X245 'QMOD'
- \triangleright Check dc voltage at X10.1 or X11.2 to -220mV ± 50 mV
- Apply -0.5V dc to X244 'IMOD' or X245 'QMOD'
- ▶ Check dc voltage at X10.1 or X11.2 to -220mV ±50mV
- Reposition jumper X10 or X11 to X1 or X2
- Connect oscilloscope to X1 or X2
- Apply 1MHz/0.5V peak (terminal voltage) to X244 'IMOD' or X245 'QMOD'
- > Check voltage at X10.1 or X11.2 to 155mV ±35mV rms and store under 'RefX1' or 'RefX2'
- Apply 25MHz/0.5V peak (terminal voltage) to X244 'IMOD' or X245
- Check voltage at X1 to 'RefX1' ±.5dB
- > Check voltage at X2 to 'RefX2' ±.5dB

7.4.5.8 300-MHz LO

• Setting: UTILITIES DIAG TPOINT STATE ON

UTILITIES DIAG TPOINT TEST POINT 2114

- ➤ Check diagnosis voltage to 800mV ± 100mV
- Connect level meter to X4 and/or X5
- ➤ Check level to -9dBm ±3dB
- Setting: UTILITIES DIAG TPOINT TEST POINT 2118 and/or 2119
- > Check diagnosis voltage to 360mV ± 70mV

7.4.5.9 Power Ramping Control

- Connect dc voltmeter to X7
- > Check voltage to -1.^0V ±0.5V
- Connect dc voltmeter to P35 or P36
- > Check voltage to 1mV ±0.2mV
- Setting: VECTOR MOD STATE ON

VECTOR MOD POWER RAMP CONTROL EXT_ANALOG

- Apply +0V dc to X243 'BURST CONTROL_MOD'
- Connect dc voltmeter to X7
- ➤ Check voltage to 2mV ±2mV
- Connect dc voltmeter to P35 or P36
- ▶ Check voltage to -0V ±0.1V
- Connect dc voltmeter to P64 (N30 Pin 1)
- > Check voltage to approx. 5V
- Connect +1V dc to X243 'BURST CONTROL_MOD'
- > Check voltage to 0V

7.4.5.10 Power Ramping Linearity

• Setting: VEKTOR MOD STATE ON

POWER RAMP CONTROL EXT-ANALOG

- Connect +0.5V dc to X245 'QMOD'
- Connect +1.000V ±1mV dc to X243 'BURST CONTROL_MOD'
- Connect spectrum analyzer to X242 'IQ300'
- > Check level to 5dBm ±0.5dB and store under 'Ref'

Linearity check:

- Set dc voltage at X243 to $500\pm5mV$; $250\pm1mV$; $100\pm1mV$; $31.6\pm0.5mV$
- > Check level to 'Ref' -6dB±0.5dB; -12dB±0.5dB; -20dB±0.5dB; -30dB±1dB
- Linearity adjustment
- Set dc voltage X243 to 50.1 mV ±0.5mV
- > Adjust level at X242 `IQ300´ to (`Ref´-26dB) ±0.1dB using poti R807.

7.4.5.11 IQ300 Output - Level Attenuation

The adjustment described below must be performed after a sufficiently long warm-up time and at correct operating temperature. Calibration of the vector modulator must be performed just before the level adjustment.

- Level adjustment

• Setting: UTILITIES CALIB VECTOR MOD CALIB

ANALOG_MOD PULSE SOURCE EXT ANALOG_MOD PULSE POLARITY INV

Connect level meter to X242 'IQ300'

> Check/adjust level to -5dBm ±0.1dB

- > Check harmonic suppression to better than -60dBc
- Adjustment of level attenuation

• Setting: ANALOG_MOD PULSE SOURCE OFF

LEVEL LEVEL ATTENUATOR MODE ELECTRONIC

- Solder R109 (open connection to N43)
- Connect DC voltage source to R109
- Apply -8.5V DC
- Connect level meter to X242 'IQ300'
- > Adjust level at X242 'IQ300' to -5.0dBm ± 0.1dB using poti R1111
- Remove DC voltage source and solder in R109

7.4.5.12 Level Attenuation Control

• Setting: FREQUENCY 1000 MHZ

LEVEL 10dBm

UTILITIES CALIB LEV ATT CALIBRATE

ANALOG_MOD PULSE SOURCE EXT ANALOG_MOD PULSE POLARITY INV UTILITIES DIAG TPOINT STATE ON

UTILITIES DIAG TPOINT TEST POINT 2123

- \triangleright Check diagnosis voltage to 0mV \pm 50mV and store as ULEVATT
- Connect dc voltmeter to P17 and/or P59
- \triangleright Check dc voltage to 0.60V \pm 0.1V and store value under U59
- \triangleright Check level at X242 'IQ300' to -5.0dBm \pm 1dB
- Setting: ANALOG MOD PULSE SOURCE OFF
- \triangleright Check dc voltage at P17 and/or P59 to ULEVATT \pm 5mV
- ▶ Check level at X242 to smaller than -75dBm
- Setting: LEVEL LEVEL ATTENUATOR MODE ELECTRONIC
- > Check diagnosis voltage (TP2123) to 2*U59 ± 100mV
- > Check voltage difference between P43, P17 and P59 to smaller than 2mV
- \triangleright Check level at X242 'IQ300' to -5.0dBm \pm 1dB

7.4.5.13 Pulse Modulation Control

• Setting: ANALOG MOD PULSE SOURCE EXT
ANALOG MOD PULSE POLARITY NORM

- Connect dc voltmeter to D50 and/or D51 pin 4
- \triangleright Check voltage to 0V \pm 0.5V
- Connect dc voltmeter to D50 and/or D51 pin 5
- ▶ Check voltage to -6.5V ± 1V
- Setting: ANALOG MOD PULSE POLARITY INV
- Connect dc voltmeter to D50 and/or D51 pin 4
- \triangleright Check voltage to -6.5V \pm 0.5V
- Connect dc voltmeter to D50 or D51 pin 5
- \triangleright Check voltage to 0V \pm 0.5V

7.4.5.14 IQ Detector and Detector Adjustment

• Setting: LEVEL 0dBm

UTILITIES DIAG TPOINT STATE ON

UTILITIES DIAG TPOINT TEST POINT 2121

- > Check diagnosis voltage to below 50mV
- Solder out R85 and apply +5V DC to D57 pin4
- Setting: LEVEL LEVEL ATTENUATOR MODE ELECTRONIC
- > Check diagnosis voltage to 8.4V to 12.3V

Testing and adjusting the level linearity of the IQ detector as described below must not be performed with board uncovered and only after a sufficiently long warm-up time and at correct operating temperature.

- Synchronize analyzer and SMIQ with one another (connect 10-MHz references)
- Setting: LEVEL 0dBm

UTILITIES REF_OSC SOURCE EXT

UTILITIES CALIB LEV ATT CALIBRATE

LEVEL LEVEL ATTENUATOR MODE ELECTRONIC

- Apply 0V DC to D57 pin4
- Connect spectrum analyzer to X242 'IQ300'
- ➤ Check level to -5dBm ±.5dB and store under 'Ref'
- Apply +5V DC to D57 pin4
- Measure diagnosis voltage(TP2121) and store under 'RefDiag'
- Apply 0V DC to D57 pin4
- Set level to -40dBm and set the output signal at X242 'IQ300' to 'Ref 40.0dB' by varying the level.
- Apply +5V DC to D57 pin4
- > Adjust diagnosis voltage (TP2121) to 'RefDiag'-40dB using poti R930
- Repeat procedure for attenuations of 5 to 35 dB in 5-dB steps and check deviation of diagnosis voltage to below 0.4 dB (take care not to change the adjustment!!)
- Solder R85 in again.
- After a change of the adjustment the IQ detector must be recalibrated (SMIQ level correction program: IQ detector calibration).

7.4.5.15 IQAM

Setting:

VECTOR MOD STATE ON

ANALOG MOD AM AM DEPTH 80%

ANALOG MOD AM AM SOURCE INT INT ANALOG MOD AM LFGEN FREQ 20.000 kHz

- Apply +5-V dc voltage to X244 `IMOD'
- Connect AC voltmeter to P35 and/or P36
- > Check voltage to 275mV ±20mV (rms value)
- Connect spectrum analyzer to X242 'IQ300'
- > Check carrier to -11dBm ±1dB and store under `carrier´
- > Check 300MHz ±20kHz sidebands to (`carrier'-8dB) ±0.5dB
- > Check harmonic sidebands to below (`carrier'-40dB)

7.4.5.16 Frequency Response IQ Modulator

-without option or with option B47 with IQ FILTER OFF

Setting:

VECTOR_MOD STATE ON

- Connect spectrum analyzer to X242 'IQ300'
- Connect 30 MHz 0.5Vp to X244 'IMOD' or X245 'QMOD'
- > Check the 270-MHz signal at X242 to -11dBm ± 1dB and store under 'REF'
- \triangleright Check the 330-MHz signal at X242 to 'REF' \pm 1dB
- Sweep frequency at 'IMOD' and/or 'QMOD' from 0 to 30MHz
- > Check frequency response < 1dB

- with Option B47 with IQ FILTER 850kHz

Setting:

VECTOR_MOD STATE ON

VECTOR_MOD IQ_FILTER 850kHz

- Apply signal of 0.1, 0.3, 0.5, $\overline{0.7}$, 1.0 and 2.0MHz and 0.5Vp to 'IMOD' or 'QMOD'
- Connect spectrum analyzer to X242 'IQ300'
- Check reference value at 300.1MHz to -11dBm ± 1dB and store under 'REF'
- Check frequency response at 'IQ300 referred to 'REF'

Frequency/MHz	300.3	300.5	300.7	301	302
Nom. value/dB	-0.1	-0.15	-0.3	-5	-40
Tolerance/dB	±0.1	±0.1	±0.2	+1/-3	±3

- with Option B47 with IQ FILTER 2.5MHz

Setting:

VECTOR_MOD STATE ON

VECTOR MOD IQ FILTER 2.5MHz

- Apply signal of 0.25, 0.75, 1.5, 2, 3 and 5MHz and 0.5V_p to 'IMOD' and/or 'QMOD'
- Connect spectrum analyzer to X242 'IQ300'
- > Check reference value at 300.25MHz to -11dBm ± 1dB and store under 'REF'
- > Check frequency response at 'IQ300 referred to 'REF'

Frequency/MHz	300.75	301.5	302	303	305
Nom. value/dB	-0.25	-0.45	-0.55	5	-32
Tolerance/dB	±0.1	±0.1	±0.2	+1/-3	±5

- with Option B47 with IQ FILTER 5Hz

• Setting:

VECTOR_MOD STATE ON

VECTOR_MOD IQ_FILTER 5MHz

- Apply signal of 0.5, 1.5, 3, 4, 6 and 10MHz and 0.5V $_{p}$ to 'IMOD' or 'QMOD'
- Connect spectrum analyzer to X242 'IQ300'
- > Check reference value at 300.25MHz to -11dBm ± 1dB and store under 'REF'
- > Check frequency response at 'IQ300 referred to 'REF'

Frequency/MHz	301.5	303	304	306	310
Nom. value/dB	-0.3	-0.2	-0.35	-7	-39
Tolerance/dB	±0.1	±0.1	±0.1	+1/-3	±3

7.4.5.17 Broadband Noise IQ Modulator

Setting:

FREQUENCY 3.1GHz

- Connect spectrum analyzer to X242 'IQ300'
- \triangleright Check the 300-MHz signal to -5.0dBm \pm 1dB and store under 'REF'

Setting:

VECTOR_MOD STATE ON

VECTOR MOD CALIBRATE

VECTOR_MOD IQ_FILTER 2.5MHz (nur bei Option B47)

- ▶ Check the 300-MHz signal to < -55dBm</p>
- Setting FSE:

CF 305 MHz

REF LEVEL -50dBm

INPUT ATTENUATION OdB

SPAN 1kHz RBW 2kHz VBW 5Hz

MARKER NOISE

• Measure noise level at 305MHz in dBm/Hz

(With noise levels below -150dBm/Hz the measured value of the FSE should be corrected by the inherent noise of the analyzer!!)

Check the signal-to-noise ratio = 'REF' - noise level to greater than 139dBc/Hz (without Option B47) greater than 148dBc/Hz (with Option B47)

7.4.6 Board Interrupt

• Setting:

FREOUENCY 1GHZ

- Disconnect signal 'REF600' from X246
- Press the ERROR key
- ➤ Error message: Code 224, 2.4GHZ LO LOOP UNLOCKED
- Reconnect signal 'REF600'
- > Error message: none
- Unplug jumper X8
- Error message: Code 224, 2.4GHZ LO LOOP UNLOCKED

Plug in jumper X8 again Disconnect signal 'FIQFIL' from X247

> Error message: Code 110, OUTPUT UNLEVELED

• Apply signal 'FIQFIL' again

ANALOG_MOD AM AM_SOURCE_EXT EXT1 Setting: ANALOG_MOD AM AM_EXT_COUPLING AC

Apply 1kHz/1V peak to 'EXT1'

Press the ERROR key

> Error message: none

Apply 1kHz/1.04V peak to 'EXT1'

> Error message: Code 152, INPUT VOLTAGE OUT OF RANGE; EXT1 TOO HIGH

Apply 1kHz/0.96V peak to 'EXT1'

> Error message: Code 153, INPUT VOLTAGE OUT OF RANGE; EXT1 TOO LOW

7.4.7 Diagnosis

The board contains 24 RF and dc test points in all. They are selected via the 'UTILITIES DIAG TPOINT POINT 21??' menu. The first two digits relate to the 'IQMOD' (21) board, the subsequent two digits are provided to number the diagnostic points.

IR=Supplies board interrupt, DF=divider factor, War=waiting time

OF=Offset measurement, MIN=Minimum, MAX=Maximum

r	t, MIN=Minimum, MAX=Maximum	T	1	T	T	T	T _
Diagnostic	Test point	I	MIN	MAX	TF	WA	0
point		R	[V]	[V]		R	F
					-	ms	ļ
2100 D_OFFSET	Reference $1k\Omega$		01	+.01	1	1_	<u> </u>
2101 D_REF10V	10-V reference voltage		9.8	10.2	3	1_	Х
2102 D_LFGEN	Output level LF		-1.02	+1.02	3	1	
	generator	ļ	ļ				
2103 D_REF600	Level 600-MHz reference		.05	.18	1		
	for 2.4-GHz PLL		ļ				
2104 D_TUN2G4	Tuning voltage 2.4GHz	X	3	18	5	1	
	VCO						L.
2105 D_VCO2G4	Level 2G4 VCO		0.03	.10	1	1	
2106 D_PHIDET	Level 600MHz Reference		.05	.18	1	1	
	signal for 2.4-GHz PLL						
2107 D_LO2G4	LO level down converter		.2,	.4,	1	1	
	on, (off)		(02)	(+.02)			}
2108 D_PRESET	Tuning voltage		2.3	4.5	3	1	
	Preset element						
2109 D_AMOD	Tuning voltage	Х	.02	6	3	3	
	AM modulator						
2110 D_REFAM	AM reference signal		-6	0	3	1	
2111 D_CONVRT	Level IF path down		.005,	.1,	1	1	
	converter on , (off)		(-1mV)	(+1mV)	-		
2112 D_SWITCH	Level subsequent to AM	 	.005	. 4	1	1	<u> </u>
	modulator				-		
2113 D_DETOUT	Output detector		.05	6	3	1	
	output amplifier			-		-	
2114 D_REF300	300-MHz level for IQ	1	.6	1.0	1	1	
	modulator		' '		-	-	
2115 D_IQOUT	Output level IQ	 	0	1.3	1	1	-
	modulator			1.3	_	1	1
2116 D_IMOD	Level modulation input	-	5	+.5	2	1	
2110 5_11105	I path		'			-	
2117 D_QMOD	Level modulation input	 	5	+.5	2	$+_{\overline{1}}$	·
ETT, D_ZIOD	Q path		'-	1	"	1	}
2118 D_ILO	Level LO I path	T	.2	.6	1	1	-
2118 D_160 2119 D_QLO	Level LO Q path	+	.2	1.6	1	1	
2119 D_QEC 2120 D_PHI	Control voltage phase	+	3.5	13	3	+	
2120 D_FU1	shifter		3.3	1.7			
2121 D_IQCAL	Calibration detector	+	0	12.5	3	5	X
TIZI D_INCHI	IQ modulator			12.5		,	^
2122 D_BURST	Control voltage burst	+	-4	-0.5	3	1	
ZIZZ D_DOKSI	element			1-0.5			
0100 D T 77577 MPD	Tuning voltage level	-	10	1 5	3	1	
2123 D_LEVATT	_ =		١٧	1.5	13	1	
	attenuation elements						1

The table below lists the operating points for the RF amplifiers of the module, respectively. Tolerances from 10% to 20% may occur and do not indicate any error. The data given always relate to the dc operating point without any RF signal being applied.

Amplifier	Operatin	
Designation	Drain / collector	Drain / collector
	current	voltage
V82	50mA	5.0V
V81	60mA	5.0V
V83	130mA	8.0V
V75	90mA	9.5V
V77	90mA	9.5V
N46	55-100mA	4.5V .
N47	55-100mA	4.5V
N45	55-100mA	4.5V
N44	55-100mA	4.5V
N49	85mA	5.0V
V80	9 0 mA	9.5V
V102	9 0 m A	6.0V
N38	60-100mA	3.0V
V148	70mA	4.0V
V144	70mA	4.5V
V103	120mA	7.0V
V104	135mA	7.3V
V111	30mA	-5.5V
V145	60mA	4.5V
V146	60mA	4.5V
V154	60mA	5.5V
V147	60mA	5.5V
V99	75mA	6.5V

7.5 Removal and Assembly

After opening the instrument, unlocking the board and disconnecting the RF connections at X241 to X249, the module can be removed from its slot. The screening covers of the board are screwed in the conventional way. When operating the instrument with open screening cover, make sure to close the resonator chamber M using an appropriate test cover.

Pin	Name	Input/ Output	Origin/ Destination	Specified range	Signal description
X240.A1	BLANK	Input	A3, FRO X31.34	HCT-Level	Level blanking
X240.A2	UREFAM	Output	A500, IQ6G X500.2	0 to 12V	AM command value
X240.A3	LFOUT	Output	A3, FRO LF	0 to 4V peak,	Output AF generator
X240.A4	EXT1	Input	A3, FRO EXT	0 to 1V Spitze	External modulation signal
X240.A5	EXT2				not used
X240.A6	INT1	Output	Option FMOD	0 to 1V Spitze	Internal modulation signal
X240.A7	Ground				•
X240.A8	PULSE	Input	Rückwand	HCT level	Pulse modulation
X240.A9	CODAM	Input	DDS	0 to 1V peak	DSYN AM signal
X240.A10	LEV ATT_MOD	Input	MCOD	HCT level	Level attenuation
X240.A11	Ground				
X240.A12	SERBUS-CLK	Input	A3, FRO, X31.40	HCT level	Serbus Clock
X240.A13	Ground				
X240.A14	SERBUS-OUT	Output	A3, FRO, X31.39	HCT level	Serbus data
X240.A15	SERBUS-IN	Input	A3, FRO, X31.39	HCT level	Serbus data
X240.A16	SERBUS-SYNC	Input	A3, FRO, X31.37	HCT level	Serbus Sync
X240.A17	SERBUS-INT	Output	A3, FRO, X31.38	HCT level	Serbus Interrupt
X240.A18	Reset-P	Input	A3, FRO, X31.28	HCT level	Serbus Reset
X240.A19	DIAG-5V	Output	A3, FRO, X31.44	-5V to +5V	Diagnosis
X240.A20	VA15-P	Input	A2, POWS	14.85 to 15.75V 600mV	15V power supply
X240.A21	Ground				
X240.A22	VA24-P	Input	A2, POWS	23.75 to 25.25V 200mA	24V power supply
X240.A23	Ground				
X240.A24	VA15-P	Input	A2, POWS	14.85 to 15.75V	15V power supply
X240.A25	Ground				
X240.A26	VA7.5-P	Input	A2, POWS	7.45 to 7.95V 450mA	7.5V power supply
X240.A27	Ground				
X240.A28	VD5-P	Input	A2, POWS	5.15 to 5.25V 140mA	5V digital power supply
X240.A29	Ground				
X240.A30	VA15-N	Input	A2, POWS	-15.7514.85V 300mA	-15V power supply
X240.A31	Ground				
X240.A32	VA7.5-P	Input	A2, POWS	7.45 to 7.95V 450mA	7.5V power supply
X241	IQAUX	Output	Rear panel	300MHz/-10dBm	Vector-modulated carrier rear panel
X242	10300	Output	A220, IQCON X223	300MHz/-5dBm	Vector-modulated carrier IQCON
X243	BURST CTRL_MOD	Input	Rear panel	0 to 1V	Control signal power ramping
X244	I_MOD	Input	A3, FRO	-0.5 to +0.5V 0 to 30MHz	Modulation input I
X245	Q_MOD	Input	A3, FRO	-0.5 to +0.5V	Modulation input Q

Pin	Name	Input/ Output	Origin/ Destination	Specified range	Signal description
			Q_MOD	0 to 30MHz	
X246	REF600	Input	A7, REFSTEP X77	600MHz/13dBm	Reference 600MHz
X247	FIQFIL	Input	A220, IQCON X227	450 to 3300MHz/ 4dBm	Vector-modulated signal
X249	FIQOUT	Output	A15, ATT X2	.3 to 3300MHz -20 to 19dBm	Output signal

2.0

₽_1



Schaltteillisten numerisch geordnet

Part lists in numerical order

Listes des pièces détachées par numéros de référence

			3

	C1	CE 4,7UF+-10% 1
	C2	TANTALUM CHIP C CE 4,7UF+-10% 1
	СЗ	TANTALUM CHIP C CC 3,3NF+-1% 50
	C4	SMD-CERAMIC CAP CC 3,3NF+-1% 50
	C5	SMD-CERAMIC CAP CC 5,6PFO,1PF50
	C6	SMD-CERAMIC-CAP CC 5,6PFO,1PF50
	C7	SMD-CERAMIC-CAP CC 1,5PF0,1PF50
	C8	SMD-CERAMIC-CAP CC 5,6PF0,1PF50
	C9	SMD-CERAMIC-CAP CC 1,5PFO,1PF50
	C10	SMD-CERAMIC-CAP CC 5,6PFO,1PF50
	C11	SMD-CERAMIC-CAP
		CC 10P+-0,1PF50
	C12 14	CC 5,6PFO,1PF50 SMD-CERAMIC-CAP
	C15	CC O,7PF+-O,05P SMD-CERAMIC CAP
	C16	CC 5,6PFO,1PF50 SMD-CERAMIC-CAP
	C17	CC 5,6PFO,1PF50 SMD-CERAMIC-CAP
5	C18	CC 1,5PFO,1PF50 SMD-CERAMIC-CAP
Für diese Unterlage behalten wir uns alle Rechte vor.	C19	CC 5,6PFO,1PF50 SMD-CERAMIC-CAP
rlage beha Rechte voi	C20	CC 4,7PFO,1PF50 SMD-CERAMIC-CAP
Unterl	C21	CC 10NF+-10% 5 SMD-CERAMIC-CAP
iese l	C22	CE 4,7UF+-10% 10 TANTALUM CHIP C
Für di Wir	C23	CC 10NF+-10% 5
	C24	SMD-CERAMIC-CAP CC 10NF+-10% 5
	C25	SMD-CERAMIC-CAP CC 33NF+-10% 25
	27 C28	SMD CERAMIC CAP. CC 10NF+-10% 5
	C29	SMD-CERAMIC-CAP CC 10NF+-10% 5
	C30	SMD-CERAMIC-CAP. CC 33NF+-10% 25
	32 C33	SMD CERAMIC CAP CC 1.OPFO.1PF50
	C34	SMD-CERAMIC-CAP CC 33NF+-10% 25
	C35	SMD CERAMIC CAP CC 10NF+-10% 5
	37 C38	SMD-CERAMIC-CAP CC 220PF+-1% 5
	C39	SMD-CERAMIC-CAP CC 10NF+-10% 5
	C40	SMD-CERAMIC-CAP CC 33NF+-10% 25
	C41	SMD CERAMIC CAP CC 10NF+-10% 5
	43 C44	SMD-CERAMIC-CAP CC 33NF+-10% 25
	46 C47	SMD CERAMIC CAP CC 10NF+-10% 5
		,

Comp. No.

Designation

		,,	Date		Parts li	St 107		Stock No.		Page .
1GPK	887 3PLU	ÄI	Datum		Schaltteil			Sachnummer		Blatt-Nr.
5.10	SMD CERAMIC CAP						5			
C47	SMD-CERAMIC-CAP	PACI	TOR		1.4697.00			05X7R333K25VAT		
46 C47	SMD CERAMIC CAP	ACI	TOR		9.4844.00			39X7R***K5C500PT*	T* T* T* T* T* T*	
43 C44	SMD-CERAMIC-CAP	ACI	TOR		.4697.00			05X7R333K25VAT		
C41	SMD CERAMIC CAP			CC 0009	.4844.00	MURATA	GRM	39X7R***K5C500PT*		
C40	SMD-CERAMIC-CAP	V H	IDK 0603	CC 1051	.4697.00	AVX	CM10	D5X7R333K25VAT		
C39	SMD-CERAMIC-CAP	OVH	IDK 0603	CC 0009	.4844.00	MURATA	GRM	39X7R***K5C500PT*		
37 C38		OVN	IPO 0603	CC 0009	.4721.00	MURATA	GRM	39COG***F5OZPT		
C35		OVH	IDK 0603	cc 0009	.4844.00	MURATA	GRMS	39X7R***K5C500PT*		
C34	SMD-CERAMIC-CAP	√ H	DK 0603	CC 1051	.4697.00	AVX	CM10	05X7R333K25VAT		
C33	CC 1,0PF0,1PF50	V N	IPO 0603	CC 0009	.8304.00	MURATA	GRM	39COG***B5OZPT		
C30 32	CC 33NF+-10% 25 SMD CERAMIC CAP	V H	IDK 0603	CC 1051	.4697.00	AVX	CM10	D5X7R333K25VAT		
C29	CC 10NF+-10% 5 SMD-CERAMIC-CAP	OVH	IDK 0603	CC 0009	.4844.00	MURATA	GRM	39X7R***K5C500PT*		
C28	CC 10NF+-10% 5 SMD-CERAMIC-CAP	OVH	IDK 0603	CC 0009	.4844.00	MURATA	GRM	39X7R***K5C500PT*		
C25 27	CC 33NF+-10% 25 SMD CERAMIC CAP	V H	IDK 0603	CC 1051	.4697.00	AVX	CM10	D5X7R333K25VAT		
C24	CC 10NF+-10% 5 SMD-CERAMIC-CAP	ACI	TOR	CC 0009	.4844.00	MURATA	GRM	39X7R***K5C500PT*		
C23	CC 10NF+-10% 5 SMD-CERAMIC-CAP	ACI	TOR		.4844.00		GRM	39X7R***K5C500PT*		
C22	CE 4,7UF+-10% 1 TANTALUM CHIP C	APA	CITOR		7.7275.00			O 475 X9 O10 B2T		
C21	CC 10NF+-10% 5 SMD-CERAMIC-CAP	ACI	TOR		7075 00			39X7R***K5C500PT*		
	CC 4,7PFO,1PF50 SMD-CERAMIC-CAP	ACI	TOR		4538.00			39COG***B50ZPT		
C20	SMD-CERAMIC-CAP	ACI	TOR							
C19	SMD-CERAMIC-CAP	ACI	TOR		.4521.00			39C0G***B50ZPT		
C18	SMD-CERAMIC-CAP	ACI	TOR		.4450.00			39C0G***B50ZPT		
C17	SMD-CERAMIC-CAP	ACI	TOR		.4521.00			39C0G***B50ZPT		
C16	SMD-CERAMIC CAP	ACI		CC 0009	.4521.00	MURATA	GRM	39C0G***B50ZPT		
14 C15	SMD-CERAMIC-CAP			CC 0010	.7150.00	AVX	0603	3 5J *** AAW TR		
C12	SMD-CERAMIC-CAP	V N	PO 0603	CC 0009	.4521.00	MURATA	GRM	39C0G***B50ZPT		
C11	SMD-CERAMIC-CAP	V N	IPO 0603	CC 0009	.4567.00	MURATA	GRM	39C0G***B50ZPT		
C10	SMD-CERAMIC-CAP	V N	IPO 0603	CC 0009	.4521.00	MURATA	GRM	39C0G***B50ZPT		
С9	CC 1,5PF0,1PF50	V N	IPO 0603	CC 0009	.4450.00	MURATA	GRM	39C0G***B50ZPT		
C8	CC 5,6PFO,1PF50 SMD-CERAMIC-CAP	V N	IPO 0603	CC 0009	.4521.00	MURATA	GRM	39C0G***B50ZPT		
C7	CC 1,5PFO,1PF5O SMD-CERAMIC-CAP	V N	IPO 0603	CC 0009	.4450.00	MURATA	GRM	39C0G***B50ZPT		
C6	CC 5,6PFO,1PF50 SMD-CERAMIC-CAP	V N	PO 0603	CC 0009	.4521.00	MURATA	GRM	39C0G***B50ZPT		
C5	CC 5,6PFO,1PF50 SMD-CERAMIC-CAP	V N		CC 0009	.4521.00	MURATA	GRM	39COG***B50ZPT		
C4	CC 3,3NF+-1% 50 SMD-CERAMIC CAP	ACI	TOR		.2970.00			42-6CDG332F50PT		
C3	CC 3,3NF+-1% 50 SMD-CERAMIC CAP	ACI	TOR		. 2970.00			42-6C0G332F50PT		
C2	CE 4,7UF+-10% 1	APA	CITOR							
C1	TANTALUM CHIP C	APA	CITOR		7.7275.00			D 475 X9 010 B2T		
C1	2WAY POWER DIVI CE 4,7UF+-10% 1			CE 0007	7.7275.00	SPRAGUE	2021	D 475 X9 O10 B2T		
B1	ER SCPQ-400 2WE			1085	5.1649.00	MINI-CIRCU	SCPO	Q-400		
•	XX VARIANTENERK	LAE	1						•	
Comp. No.	Designati	ion	N.	Sto	ick No.	Manufacturer	De	signation	conta	เกรนเก

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}	Kennz. Comp. No.	Benennung Designation	Stock No.	Manufacturer	Designation	contain	ed in
ļ	C49	CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
l	C50	SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
	C51	SMD-CERAMIC-CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00	AVX	CM105X7R333K25VAT		
	56 C57	SMD CERAMIC CAPACITOR CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
	C58	SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
	C59	SMD-CERAMIC-CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00	AVX	CM105X7R333K25VAT		
	C60	SMD CERAMIC CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00	AVX	CM105X7R333K25VAT		
	C61	SMD CERAMIC CAPACITOR CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
	C62	SMD-CERAMIC-CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00		CM105X7R333K25VAT		
١	C63	SMD CERAMIC CAPACITOR CC 10NF+-10% 50VHDK 0603	CC 0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
	C64	SMD-CERAMIC-CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00		CM105X7R333K25VAT		
	66	SMD CERAMIC CAPACITOR CC 220NF+-10%50V X7R 1210	CC 0520.6850.00		1210 5C 224KA 11A		
	C67	CERAMIC CAPACITOR CHIP			CM105X7R333K25VAT	0	
	C68	CC 33NF+-10% 25V HDK 0603 SMD CERAMIC CAPACITOR	CC 1051.4697.00		CM105X7R333K25VAT		-
	C69	CC 33NF+-10% 25V HDK 0603 SMD CERAMIC CAPACITOR	CC 1051.4697.00	AVA	CHETUSATROSSNASVAT		
	C69	NUR VAR/ONLY MOD: 02 CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00	AVX	CM105X7R333K25VAT		
		SMD CERAMIC CAPACITOR NUR VAR/ONLY MOD: 04					
	C69	CC 33NF+-10% 25V HDK 0603 SMD CERAMIC CAPACITOR	CC 1051.4697.00	XVX	CM105X7R333K25VAT		
	C69	NUR VAR/ONLY MOD: 06 CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00	AVX	CM105X7R333K25VAT		
		SMD CERAMIC CAPACITOR NUR VAR/ONLY MOD: 08					
۲٥ ۲٥	C70	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	MURATA	GRM39X7R***K5C500PT*		
Kechte	C71 82	CC 33NF+-10% 25V HDK 0603 SMD CERAMIC CAPACITOR	CC 1051.4697.00	XVA	CM105X7R333K25VAT		
aile	C83	CC 220NF+-10%50V X7R 1210 CERAMIC CAPACITOR CHIP	CC 0520.6850.00	XVA	1210 5C 224KA 11A		
wir uns	C84	CC 220NF+-10%50V X7R 1210 CERAMIC CAPACITOR CHIP	CC 0520.6850.00	XVA	1210 5C 224KA 11A		
×	C85	CC 33NF+-10% 25V HDK 0603 SMD CERAMIC CAPACITOR	CC 1051.4697.00	XVA	CM105X7R333K25VAT		:
	C86	CC 10P+-0,1PF50V NPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4567.00	MURATA	GRM39COG***B50ZPT		
	C87	CE 4,7UF +-10% 25V 7343 TANTALUM CHIP CAPACITOR	CE 0007.7230.00	SPRAGUE	293D475X9O35D2W		
	C88	CE 4,7UF +-10% 25V 7343 TANTALUM CHIP CAPACITOR	CE 0007.7230.00	SPRAGUE	293D475X9O35D2W		
	C89	CC 33NF+-10% 25V HDK 0603 SMD CERAMIC CAPACITOR	CC 1051.4697.00	XVA	CM105X7R333K25VAT		
	C90	CC 8,2PFO,1PF50V NPO 0603	CC 0009.4550.00	MURATA	GRM39COG***B50ZPT		
	C9 1	SMD-CERAMIC-CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00	XVA	CM105X7R333K25VAT		
	98 C99	SMD CERAMIC CAPACITOR CC 22PF+-1% 50VNPO 0603	CC 0009.4609.00	MURATA	GRM39COG***F50ZPT		
	C100	SMD-CERAMIC-CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00	O AVX	CM105X7R333K25VAT		
	106 C107	SMD CERAMIC CAPACITOR CC 0,3PF+-0,05PF 0603	CC 0010.7114.0	O AVX	0603 5J *** AAW TR		
	C108	SMD-CERAMIC CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.0	O AVX	CM105X7R333K25VAT		
	C109	SMD CERAMIC CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.0	OAVX	CM105X7R333K25VAT		
	C110	SMD CERAMIC CAPACITOR CE 4,7UF+-10% 10V 3528	CE 0007.7275.0	OSPRAGUE	293D 475 X9 010 B2T		
	C111	TANTALUM CHIP CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.0		CM105X7R333K25VAT		
	118 C119	SMD CERAMIC CAPACITOR CC 220NF+-10%50V X7R 1210	CC 0520.6850.0	1	1210 5C 224KA 11A		
	C120	CERAMIC CAPACITOR CHIP CC 33NF+-10% 25V HDK 0603			CM105X7R333K25VAT		
	122	SMD CERAMIC CAPACITOR	13377700170				
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	C123	-		PO 0603	СÇ	0009.4644.00	MURATA	GRM	39C0G***F50ZPT		
	C124		OVN	IPO 0603	СС	0009.4644.00	MURATA	GRM	39C0G***F50ZPT		
	C125	SMD-CERAMIC-CAP CC 33NF+-10% 25	V H	DK 0603	СС	1051.4697.00	AVX	CM1	05X7R333K25VAT		
	C126	SMD CERAMIC CAP CC 220NF+-10%50	V X	7R 1210	СС	0520.6850.00	AVX	121	O 5C 224KA 11A		
	C127	CERAMIC CAPACIT CC 220NF+-10%50	V X	7R 1210	СС	0520.6850.00	AVX	121	O 5C 224KA 11A		
	C128	CERAMIC CAPACIT CC 33NF+-10% 25	V H	DK 0603	СС	1051.4697.00	AVX	CM1	05X7R333K25VAT		
ı	C129	SMD CERAMIC CAP	V_H	DK 0603	СС	1051.4697.00	AVX	CM1	05X7R333K25VAT		
١	C130	SMD CERAMIC CAP CC 220NF+-10%50	V X	7R 1210	СС	0520.6850.00	AVX	121	O 5C 224KA 11A		
	C131	CERAMIC CAPACIT CC 220NF+-10%50	V X	7R 1210	СС	0520.6850.00	AVX	121	O 5C 224KA 11A		
۱	C132	CERAMIC CAPACIT CC 33NF+-10% 25	V _H	DK 0603	СС	1051.4697.00	AVX	CM1	05X7R333K25VAT		
ı	C133	SMD CERAMIC CAP CC 33NF+-10% 25	V H	DK 0603	СС	1051.4697.00	AVX	CM1	05X7R333K25VAT		
	C134	SMD CERAMIC CAP CC 270PF+-10% 5	OVH	DK 0603	СС	1097.6370.00	VITRAMON	VJO	603Y***KXAT		
۱	C135	SMD CERAMIC CAP CC 33NF+-10% 25			СС	1051.4697.00	AVX	CM1	05X7R333K ² 5VAT		
	C136	SMD CERAMIC CAP CC 33NF+-10% 25	V_H	DK 0603	СС	1051.4697.00	AVX	CM1	05X7R333K25VAT		
	C137	SMD CERAMIC CAP	V N	PO 0603	СС	0009.4538.00	MURATA	GRM	39C0G***B50ZPT		
ı	C138	SMD-CERAMIC-CAP CC 33NF+-10% 25		_	СС	1051.4697.00	AVX	CM16	05X7R333K25VAT		
	C139	SMD CERAMIC CAP CC 33NF+-10% 25			СС	1051.4697.00	AVX	CM10	D5X7R333K25VAT		
1	C140	SMD CERAMIC CAP			СС	0009.4844.00	 MURATA	GRM	39X7R***K5C500PT*		
1	C141	SMD-CERAMIC-CAP CC 33NF+-10% 25	V_H	DK 0603	СС	1051.4697.00	AVX	CM10	D5X7R333K25VAT		
	145 C146	SMD CERAMIC CAP CC 220NF+-10%50	V X	7R 1210	СС	0520.6850.00	AVX	1210	O 5C 224KA 11A		
	C147	CERAMIC CAPACIT CC 33NF+-10% 25	V H	DK 0603	СС	1051.4697.00	AVX	CM10	D5X7R333K25VAT		
	C148	SMD CERAMIC CAP CE 4,7UF+-10% 1	٥v	3528	CE	0007.7275.00	SPRAGUE	2931	O 475 X9 O10 B2T		
	C149	TANTALUM CHIP C CE 10UF +-10% 2	5٧	7343	CE	0007.7246.00	SPRAGUE	293	O 106 X9 025 D2W		
ı	C150	TANTALUM SMD-CA CC 33NF+-10% 25	V H	DK 0603	СС	1051.4697.00	AVX	CM10	05X7R333K25VAT		
	C151	SMD CERAMIC CAP CC 33NF+-10% 25	V H	DK 0603	СС	1051.4697.00	AVX	CM10	D5X7R333K25VAT		
ı	C152	SMD CERAMIC CAP CC 220NF+-10%50 CERAMIC CAPACIT	V X	7R 1210	СС	0520.6850.00	AVX	1210	D 5C 224KA 11A		
Ì	C 153	CC 33NF+-10% 25	VΗ	DK 0603	СС	1051.4697.00	AVX	CM10	05X7R333K25VAT		
ı	156 C157	SMD CERAMIC CAP CC 220NF+-10%50	V X	7R 1210	СС	0520.6850.00	AVX	1210	D 5C 224KA 11A		
	C158	CERAMIC CAPACIT CC 220NF+-10%50	V X	7R 1210	СС	0520.6850.00	AVX	1210) 5C 224KA 11A		
	C159	CERAMIC CAPACIT CC 33NF+-10% 25	V H	DK 0603	СС	1051.4697.00	AVX	CM10	05X7R333K25VAT		
I	161 C162	SMD CERAMIC CAP CC 100NF+-10%16			СС	1097.6292.00	AVX	CM10	05 X7R104K16AT		
I	C163	CERAMIC CHIP CA CE 10UF +-10% 1	PAC			0007.7281.00			0-106X9 016 C2W		
	C164	TANTALUM CHIP C CC 33NF+-10% 25	APA	CITOR	_	1051.4697.00			05X7R333K25VAT		
	167 C168	SMD CERAMIC CAP CC 2,7PFO,1PF50	ACI	TOR		0009.8291.00			39COG***B50ZPT		
	C169	SMD-CERAMIC-CAP CC 220NF+-10%50	ACI	TOR		0520.6850.00			D 5C 224KA 11A		
	C170	CERAMIC CAPACIT CE 4,7UF+-10% 1	OR			0007.7275.00			O 475 X9 O10 B2T		
	173 C174	TANTALUM CHIP C CC 220NF+-10%50	APA	CITOR		0520.6850.00			D 5C 224KA 11A		
	C175	CERAMIC CAPACIT	OR			0009.4609.00			39C0G***F50ZPT		
	C176		OVN	PO 0603	СС	0009.4644.00	MURATA	GRM	39C0G***F50ZPT		
		SMD-CERAMIC-CAP									
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	C222			PO 0603	СС	0009.4609.00	MURATA	GRM	39C0G***F50ZPT		
	C223	SMD-CERAMIC-CAP	V_N	PO 0603	СС	0009.8304.00	MURATA	GRM	39C0G***B50ZPT		
	C224	.,	OVN	PO 0603	СС	0009.4609.00	MURATA	GRM	39C0G***F50ZPT		
	228 C229	SMD-CERAMIC-CAP CC 22PF+-1% 5		TUR PO 0603	СС	0009.4609.00	MURATA	GRM	39C0G***F50ZPT		
	C230	SMD-CERAMIC-CAP CC 22PF+-1% 5		TOR PO 0603	CC	0009.4609.00	MURATA	GRM	39C0G***F50ZPT		
	C231	SMD-CERAMIC-CAP CC 22PF+-1% 5		TOR PO 0603	СС	0009.4609.00	MURATA	GRM	39C0G***F50ZPT		
	C232	SMD-CERAMIC-CAP CC 220NF+-10%50			СС	0520.6850.00	AVX	1210	O 5C 224KA 11A		
	C233	CERAMIC CAPACIT			СС	0009.4721.00	MURATA	GRM	39C0G***F50ZPT		
	C234	SMD-CERAMIC-CAP			cc	0009.4538.00	MURATA	GRM	39C0G***B50ZPT		
	C235	SMD-CERAMIC-CAP CC 33NF+-10% 25			СС	1051.4697.00	AVX	CM1	05X7R333K25VAT		
	C236	SMD CERAMIC CAP	ACI			0010.7137.00		060	3 5J *** AAW TR		
Ì	C237	SMD-CERAMIC CAP CE 10UF +-10% 1	ACI	i		0007.7281.00			D-106X9 016 C2W		
	C238	TANTALUM CHIP C	APA			0009.4609.00			39C0G***F50ZPT		
١	C239	SMD-CERAMIC-CAP	ACI			0009.4609.00			39C0G***F50ZPT		
	C240	SMD-CERAMIC-CAP	ACI	TOR		0520.6850.00			0 5C 224KA 11A		
	C240	CERAMIC CAPACIT CC 220NF+-10%50	OR :	CHIP		0520.6850.00			0 5C 224KA 11A		
		CERAMIC CAPACIT	OR I	CHIP		V.					:
	C242 244	CC 33NF+-10% 25 SMD CERAMIC CAP	ACI	TOR		1051.4697.00			05X7R333K25VAT		
	C245	CC 0,5PF+-0,05P SMD-CERAMIC CAP	ACI			0010.7137.00			3 5J *** AAW TR		
	C246	CE 4,7UF+-10% 1 TANTALUM CHIP C	APA			0007.7275.00			D 475 X9 O10 B2T		
	C247	SMD-CERAMIC-CAP	ACI			0009.4609.00			39C0G***F50ZPT		
	C248	SMD-CERAMIC-CAP	ACI			0009.4609.00			39C0G***F50ZPT		
	C249	CC 33NF+-10% 25 SMD CERAMIC CAP	ACI	TOR		1051.4697.00		CM1	05X7R333K25VAT		
	C250	CC 33NF+-10% 25 SMD CERAMIC CAP			CC	1051.4697.00			05X7R333K25VAT		
	C251	CC 220NF+-10%50 CERAMIC CAPACIT	OR	CHIP		0520.6850.00		1210	O 5C 224KA 11A		
	C252	CC 22PF+-1% 5 SMD-CERAMIC-CAP		PO 0603 TOR	CC	0009.4609.00	MURATA	GRM:	39C0G***F50ZPT		
	C253	CC 22PF+-1% 5 SMD-CERAMIC-CAP		PO 0603 TOR	CC	0009.4609.00	MURATA	GRM	39C0G***F50ZPT		
	C254	CE 4,7UF+-10% 1 TANTALUM CHIP C		3528 CITOR	CE	0007.7275.00	SPRAGUE	2931	O 475 X9 O10 B2T		
	C255	CC 22PF+-1% 5 SMD-CERAMIC-CAP		PO 0603 TOR	CC	0009.4609.00	MURATA	GRM:	39C0G***F50ZPT		
	C256	CC 33NF+-10% 25 SMD CERAMIC CAP	V H	DK 0603	СС	1051.4697.00	AVX	CM10	D5X7R333K25VAT		
	C257	CC 33NF+-10% 25 SMD CERAMIC CAP	V H	DK 0603	СС	1051.4697.00	AVX	CM10	05X7R333K25VAT		
	C258	CC 2,2PFO,1PF50 SMD-CERAMIC-CAP	V N	PO 0603	СС	0009.4467.00	MURATA	GRM	39C0G***B50ZPT		
	C259 262	CC 220PF+-1% 5 SMD-CERAMIC-CAP	OVN	PO 0603	СС	0009.4721.00	MURATA	GRM:	39C0G***F50ZPT		
	C263	CC 220NF+-10%50 CERAMIC CAPACIT	V X	7R 1210	СС	0520.6850.00	AVX	1210	O 5C 224KA 11A		
	C264		OVN	PO 0603	СС	0009.4609.00	MURATA	GRM	39C0G***F50ZPT		
	C265	CC 10P+-0,1PF50 SMD-CERAMIC-CAP	V N	PO 0603	СС	0009.4567.00	MURATA	GRM	39C0G***B50ZPT		
	C266	CC 220NF+-10%50	V X	7R 1210	СС	0520.6850.00	AVX	121	O 5C 224KA 11A		
	269 C270		OVN	PO 0603	СС	0009.8227.00	MURATA	GRM	39C0G***F50ZPT		
	C271	SMD-CERAMIC-CAP	V H	DK 0603	СС	1051.4697.00	AVX	CM1	05X7R333K25VAT		
١	C272		OVN	PO 0603	СС	0009.8227.00	MURATA	GRM	39C0G***F50ZPT		
	280	SMD-CERAMIC-CAP	ACI	TUR							
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	C401	CC 33NF+-10% 25V HDK O	603 C	C 1051.4697.00	AVX	CM105	X7R333K25VAT		
	403 C404	SMD CERAMIC CAPACITOR CC 8,2PFO,1PF5OV NPO O	603 С	C 0009.4550.00	MURATA	GRM39	COG***B50ZPT		
	407 C408	SMD-CERAMIC-CAPACITOR CC 220NF+-10%50V X7R 1	1 -	C 0520.6850.00	AVX	1210	5C 224KA 11A		
	C409	CERAMIC CAPACITOR CHIP CC 220NF+-10%50V X7R 1	210 C	C 0520.6850.00	AVX	1210	5C 224KA 11A		
	C410	CERAMIC CAPACITOR CHIP CC 47PF+-1% 50VNPO 0	Į.	C 0009.4644.00	MURATA	GRM39	COG***F50ZPT		1
		SMD-CERAMIC-CAPACITOR CC 220NF+-10%50V X7R 1		C 0520.6850.00		1210	5C 224KA 11A		
	C411	CERAMIC CAPACITOR CHIP		C 1097.6363.00			COG***F50ZPT		
	C412	CC 82PF+-1% 50VNPO O SMD-CERAMIC-CAPACITOR					5C 224KA 11A		
	C413 415	CC 220NF+-10%50V X7R 1 CERAMIC CAPACITOR CHIP		C 0520.6850.00					
	C416	CC 22PF+-1% 50VNPO O SMD-CERAMIC-CAPACITOR	603 C	c 0009.4609.00	MURATA		COG***F50ZPT		
1	C417	CC 1UF+-10% 50V X7R 2 CERAMIC CAPACITOR	220 0	C 0520.6873.00	AVX		5C 105 KAT**A(F		
	C418	CC 1UF+-10% 50V X7R 2	220 0	C 0520.6873.00	AVX	2220	5C 105 KAT**A(F		
	C419	CERAMIC CAPACITOR CC 33NF+-10% 25V HDK 0	603 0	C 1051.4697.00	AVX	CM 105	5X7R333K25VAT		
	C420	SMD CERAMIC CAPACITOR CC 0,8PF+-0,05PF C	603 0	C 0010.7166.00	AVX	0603	5J *** AAW TR		
	C421	SMD-CERAMIC CAPACITOR CC 1,2PF0,1PF50V NPO C	603	CC 0009.4444.00	MURATA	GRM39	COG***B50ZPT		
	C422	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO C	1	C 0009.4680.00	MURATA	GRM39	OCOG***F50ZPT		
	C423	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO C		CC 0009.4680.00	MURATA	GRM39	OCOG***F50ZPT		
		SMD-CERAMIC-CAPACITOR	1	CC 1051.4697.00		CM 105	5X7R333K25VAT		
	C424	CC 33NF+-10% 25V HDK C SMD CERAMIC CAPACITOR					9X7R***K5C500PT*		
İ	C425	CC 1,ONF+-10%50V HDK C SMD-CERAMIC-CAPACITOR		CC 0009.4938.00					
	C426	CC 100NF+-10%16V HDK C CERAMIC CHIP CAPACITOR	₹	CC 1097.6292.00			5 X7R104K16AT		
۷o۲.	C427	CC 1,ONF+-10%50V HDK C SMD-CERAMIC-CAPACITOR	0603	CC 0009.4938.00	MURATA		9X7R***K5C500PT*		
Rechte	C428	CC 470PF+-10%50V HDK C SMD-CERAMIC-CAPACITOR	0603	CC 0009.4896.00	MURATA	GRM3	9X7R***K5C500PT*		
also Re	C429	CC 1,0NF+-10%50V HDK (0603	CC 0009.4938.00	MURATA	GRM3	9X7R***K5C500PT*		
ร รบก	434 C435	SMD-CERAMIC-CAPACITOR CC 10PF+-1% 50V COG 06	503	CC 0008.2183.00	AVX	0603	5J 100 FAW TR		
¥ir	C436	SMD-CERAMIC CAPACITOR CC 10P+-0, 1PF50V NPO (0603	CC 0009.4567.00	MURATA	GRM3	9C0G***B50ZPT		
	C437	SMD-CERAMIC-CAPACITOR CC 220PF+-1% 50VNPO (0603	CC 0009.4721.00	MURATA	GRM3	9COG***F5OZPT		
	C438	SMD-CERAMIC-CAPACITOR CC 1.ONF+-10%50V HDK	0603	CC 0009.4938.00	MURATA	GRM3	9X7R***K5C500PT*		
	441 C442	SMD-CERAMIC-CAPACITOR CC 220NF+-10%50V X7R		CC 0520.6850.00	AVX	1210	5C 224KA 11A		
		CERAMIC CAPACITOR CHIL	Р	CC 0009.4938.00		GRM3	9X7R***K5C500PT*		
	C443	SMD-CERAMIC-CAPACITOR		CC 1051.4697.00			5X7R333K25VAT		
	C444	CC 33NF+-10% 25V HDK (SMD CERAMIC CAPACITOR							
	C445	SMD-CERAMIC CAPACITOR		CC 0010.7120.00			5J *** AAW TR		
	C446	CC 33NF+-10% 25V HDK SMD CERAMIC CAPACITOR		CC 1051.4697.00		CM10	5X7R333K25VAT		
	C447	CC 15NF+-5% 25V HDK	0603	CC 0048.4064.00	MURATA	GRM3	9X7R153J25PT		
	C448	CC 2,2PFO,1PF50V NPO		CC 0009.4467.00	ATARUM	GRM3	9COG***B50ZPT		
	451 C452	SMD-CERAMIC-CAPACITOR XX ENTHALTEN IN							
	C453	1 00 0,0	1	CC 0010.7143.00	OAVX	0603	8 5J *** AAW TR		
	C454	SMD-CERAMIC CAPACITOR CC 3,3PF 0,1PF 50V NP	0 06	CC 0009.8285.0	OMURATA	GRM3	9COG***B50ZPT		
	C455	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO	0603	CC 0009.4680.0	OMURATA	GRM3	9COG***F5OZPT		
	C456	SMD-CERAMIC-CAPACITOR CC 10NF+-10% 50VHDK		CC 0009.4844.0	OMURATA	GRMS	39X7R***K5C500PT*		
		SMD-CERAMIC-CAPACITOR CC 220NF+-10%50V X7R		CC 0520.6850.0		1210) 5C 224KA 11A		
	C457	CERAMIC CAPACITOR CHI	_	00 0020.0000.0					
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	C458	CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA	GRM39COG***F50ZPT	
	C459	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA	GRM39COG***F5OZPT	
	C460	SMD-CERAMIC-CAPACITOR CC 470PF+-10%50V HDK 0603	CC 0009.4896.00	MURATA	GRM39X7R***K5C500PT*	
	462 C463	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA	GRM39COG***F50ZPT	
	C464	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA	GRM39COG***F50ZPT	
	C465	SMD-CERAMIC-CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00		CM105X7R333K25VAT	
	C466	SMD CERAMIC CAPACITOR CC 33NF+-10% 25V HDK 0603	CC 1051.4697.00		CM105X7R333K25VAT	
	C467	SMD CERAMIC CAPACITOR CC 470PF+-10%50V HDK 0603	CC 0009.4896.00	1	GRM39X7R***K5C500PT*	
		SMD-CERAMIC-CAPACITOR	CC 0009.4680.00		GRM39COG***F5OZPT	
	C468	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR				
	C469	CC 33NF+-10% 25V HDK 0603 SMD CERAMIC CAPACITOR	CC 1051.4697.00		CM105X7R333K25VAT	
	C470 473	CC 100PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4680.00		GRM39COG***F5OZPT	
	C474	CC 1,ONF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00		GRM39X7R***K5C500PT*	
	C475	CC 1,ONF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00	MURATA	GRM39X7R***K5C500PT*	
	C476	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	MURATA	GRM39X7R***K5C500PT*	
	C477	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4844.00	MURATA	GRM39X7R***K5C500PT*	
	C478	CC 1,0NF+-10%50V HDK 0603	CC 0009.4938.00	MURATA	GRM39X7R***K5C500PT*	
	C479	SMD-CERAMIC-CAPACITOR CC 1,ONF+-10%50V HDK 0603	CC 0009.4938.00	MURATA	GRM39X7R***K5C500PT*	
	C480	SMD-CERAMIC-CAPACITOR CE 100UF+-20%16V RUND SMD	CE 0009.6553.00	SANYO	16CV100F(G)S	
	C481	SMD-ELECTOLYTIC CAPACIT. CC 3,3NF+-10% 50VHDK 0603	CC 0048.5390.00	MURATA	GRM39X7R332K5C500PT	
aften or.	C482	SMD-CERAMIC-CAPACITOR CC 0,6PF+-0,05PF 0603	CC 0010.7143.00	AVX	0603 5J *** AAW TR	
ge beł	C483	SMD-CERAMIC CAPACITOR CC 220PF+-1% 50VNPO 0603	CC 0009.4721.00	MURATA	GRM39COG***F5OZPT	
Für diese Unterlage behalten wir uns alle Rechte vor.	C484	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA	GRM39COG***F5OZPT	
se Ur	C485	SMD-CERAMIC-CAPACITOR CC 100PF+-1% 50VNPO 0603	CC 0009.4680.00	MURATA	GRM39COG***F50ZPT	
ür die wir a	C486	SMD-CERAMIC-CAPACITOR CC 0,7PF+-0,05PF 0603	CC 0010.7150.00	AVX	0603 5J *** AAW TR	
ii.	C487	SMD-CERAMIC CAPACITOR CC 4,7PFO,1PF50V NPO 0603	CC 0009.4538.00	MURATA	GRM39COG***B50ZPT	
	C488	SMD-CERAMIC-CAPACITOR CC 100NF+-10%16V HDK 0603	CC 1097.6292.00		CM105 X7R104K16AT	
	C489	CERAMIC CHIP CAPACITOR CC 4.7PFO.1PF50V NPO 0603	CC 0009.4538.00		GRM39COG***B5OZPT	
	C490	SMD-CERAMIC-CAPACITOR CC 4.7PFO.1PF50V NPO 0603	CC 0009.4538.00		GRM39CDG***B50ZPT	
		SMD-CERAMIC-CAPACITOR				
	C491	CC 33NF+-10% 25V HDK 0603 SMD CERAMIC CAPACITOR	CC 1051.4697.00		CM105X7R333K25VAT	
	C492	CC 1,ONF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00		GRM39X7R***K5C500PT*	
	C493	CC 1,0NF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4938.00		GRM39X7R***K5C500PT*	
	C494	CC 33NF+-10% 25V HDK 0603 SMD CERAMIC CAPACITOR	CC 1051.4697.00	AVX	CM105X7R333K25VAT	
	C495	CC 220NF+-10%50V X7R 1210 CERAMIC CAPACITOR CHIP	CC 0520.6850.00	AVX	1210 5C 224KA 11A	
	C496	CC 220NF+-10%50V X7R 1210 CERAMIC CAPACITOR CHIP	CC 0520.6850.00	XVA	1210 5C 224KA 11A	
	C497	CC 22PF+-1% 50VNPO 0603 SMD-CERAMIC-CAPACITOR	CC 0009.4609.00	MURATA	GRM39COG***F50ZPT	
	C498	CC 0,3PF+-0,05PF 0603	CC 0010.7114.00	AVX	0603 5J *** AAW TR	
	.,500 C501	SMD-CERAMIC CAPACITOR CC 0,2PF+-0,05PF 0603	CC 0010.7108.00	AVX	0603 5J *** AAW TR	
	C502	SMD-CERAMIC CAPACITOR CC 0,1PF+-0,05PF 0603	CC 0010.7095.00	AVX	0603 5J *** AAW TR	
	C503	SMD-CERAMIC CAPACITOR CC 0,3PF+-0,05PF 0603	CC 0010.7114.00	XVA	0603 5J *** AAW TR	
		SMD-CERAMIC CAPACITOR				
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Stock No.

Manufacturer

Designation

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C556	CC 2,2PFO,1PF5OV		CC O	009.4467.00	MURATA (GRM39COG***B50ZPT		
C557	SMD-CERAMIC-CAPAC CC 100PF+-1% 50V	/NPO 0603	cc o	009.4680.00	MURATA (GRM39COG***F50ZPT		
C558		/NPO 0603	CC O	009.4644.00	MURATA	GRM39COG***F50ZPT		
C559		/NPO 0603	CC O	009.4644.00	MURATA	GRM39COG***F50ZPT		
C560	SMD-CERAMIC-CAPAC CC 5,6PFO,1PF5OV	NPO 0603	CC O	009.4521.00	MURATA	GRM39COG***B50ZPT		,
C561	SMD-CERAMIC-CAPAC CC 10P+-0,1PF50V		CC O	009.4567.00	MURATA	GRM39COG***B5OZPT		
C562	SMD-CERAMIC-CAPAC	-	CC O	009.8285.00	MURATA	GRM39COG***B5OZPT		
C563	SMD-CERAMIC-CAPAC CC 33NF+-10% 25V		CC 1	051.4697.00	AVX	CM105X7R333K25VAT		
C564	SMD CERAMIC CAPAC CC 33NF+-10% 25V	HDK 0603	CC 1	051.4697.00	AVX	CM105X7R333K25VAT		
C565	SMD CERAMIC CAPAC CC 8,2PF0,1PF50V		CC O	009.4550.00	MURATA	GRM39COG***B50ZPT		
C566	SMD-CERAMIC-CAPAC CC 470PF+-10%50V		CC O	009.4896.00	MURATA	GRM39X7R***K5C500PT*	*	
C567	SMD-CERAMIC-CAPAC CC 2,2PFO,1PF5OV		CC O	009.4467.00	MURATA	GRM39COG***B50ZPT		
C568	SMD-CERAMIC-CAPAC		CC O	007.7375.00	MURATA	GRM42-6COG 681F 50P1	г	
C569	CERAMIC CHIP CAPA	CITOR 0603	CC O	010.7137.00	AVX	0603 5J *** AAW TR		
C570	SMD-CERAMIC CAPAC CC 10P+-0.1PF50V	CITOR		009.4567.00		GRM39COG***B5OZPT		
C571	SMD-CERAMIC-CAPAC	1		009.9730.00		GRM39COG***F5OZPT		
C572	SMD-CERAMIC-CAPAC	CITOR		048.3622.00	-	GRM39COG***F5OZPT		
C573	SMD-CERAMIC-CAPAC CC 1.0PF0.1PF50V	CITOR		009.8304.00		GRM39COG***B5OZPT		
C574	SMD-CERAMIC-CAPAC CE 4,7UF+-10% 10V	CITOR		007.7275.00		293D 475 X9 010 B2T		
C575	TANTALUM CHIP CAP	PACITOR		007.7273.00		293D-106X9 016 C2W		
C576	TANTALUM CHIP CAP	PACITOR		007.7281.00				
C577	TANTALUM CHIP CAP			007.7281.00		293D-106X9 016 C2W		
C578	SMD-CERAMIC-CAPAC CC 33NF+-10% 25V	CITOR				GRM39COG***F5OZPT		
C578	SMD CERAMIC CAPAC			051.4697.00 009.4644.00		CM105X7R333K25VAT		
	SMD-CERAMIC-CAPAC	CITOR				GRM39COG***F50ZPT		
C580	CC 33NF+-10% 25V SMD CERAMIC CAPAC	CITOR		051.4697.00		CM105X7R333K25VAT		
C581	CC 33NF+-10% 25V SMD CERAMIC CAPAC	CITOR		051.4697.00		CM105X7R333K25VAT		
C582	SMD-CERAMIC-CAPAC			009.4609.00		GRM39COG***F5OZPT		
C583 588	CC 33NF+-10% 25V SMD CERAMIC CAPAC	CITOR		051.4697.00		CM105X7R333K25VAT		
C589	CC 10P+-0,1PF50V SMD-CERAMIC-CAPAC	CITOR		009.4567.00		GRM39COG***B50ZPT		
C590	CC 10P+-0,1PF50V SMD-CERAMIC-CAPAC	CITOR		009.4567.00		GRM39COG***B5OZPT		
C591	CC 10P+-0,1PF50V SMD-CERAMIC-CAPAC	CITOR		009.4567.00		GRM39COG***B50ZPT		
C592	CC 1,8PFO,1PF5OV SMD-CERAMIC-CAPAC			009.4473.00		GRM39COG***B50ZPT		
C593	CC 47PF+-1% 50V SMD-CERAMIC-CAPAC	/NPO 0603 CITOR	CC O	009.4644.00	MURATA (GRM39COG***F5OZPT		
C594	CC 6,8PFO,1PF5OV SMD-CERAMIC-CAPAC	NPO 0603	CC O	009.8262.00	MURATA (GRM39COG***B50ZPT		
C595	CC 4,7PFO,1PF5OV SMD-CERAMIC-CAPAC	NPO 0603	CC O	009.4538.00	MURATA (GRM39COG***B5OZPT		
C596	CC 4,7PFO,1PF5OV SMD-CERAMIC-CAPAC	NPO 0603	CC O	009.4538.00	MURATA (GRM39COG***B5OZPT		
C597	CC 680PF+-1% 50V CERAMIC CHIP CAPA	NPO 1206	cc o	007.7375.00	MURATA	GRM42-6COG 681F 50PT	-	
C598	CC O,6PF+-O,05PF SMD-CERAMIC CAPAC	0603	cc o	010.7143.00	AVX	0603 5J *** AAW TR		
C599	CC 10P+-0, 1PF50V SMD-CERAMIC-CAPAC	NPO 0603	cc o	009.4567.00	MURATA	GRM39COG***B5OZPT		
	JIID GENAMIC CAPAC	, on						
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	C658	CC 680PF+-1% 50		СС	0007.73	375.00	MURATA	GRM	42-6COG 681F 50PT	·	
	C659	CERAMIC CHIP CA CC 33NF+-10% 25	5V HDK 0603	СС	1051.46	697.00	AVX	CM1	05X7R333K25VAT		
	662 C663	SMD CERAMIC CAP RG 1MO +-1% TK1		RG	0009.5	370.00	DRALORIC	CR	0603		
	C664	SMD RESISTOR EI	A0603				DRALORIC	CB	0603		
		SMD RESISTOR EI	A0603								
	C665	RG 1MO +-1% TK1 SMD RESISTOR EI	A0603				DRALORIC		0603		
	C666	RG 1MO +-1% TK1 SMD RESISTOR EI		RG	0009.50	370.00	DRALORIC	CR	0603		
	C667 669	CC 10P+-0,1PF50 SMD-CERAMIC-CAP		cc	0009.45	567.00	MURATA	GRM	39C0G***B50ZPT		
	C670	CC 10P+-0,1PF50 SMD-CERAMIC-CAP	OV NPO 0603	cc	0009.45	567.00	MURATA	GRM	39COG***B50ZPT		
	C671	CC 10P+-0,1PF50	V NPO 0603	cc	0009.45	567.00	MURATA	GRM	39C0G***B50ZPT		
	C672	SMD-CERAMIC-CAP	NPO 0603	СС	0009.45	567.00	MURATA	GRM	39C0G***B50ZPT		
	C673	SMD-CERAMIC-CAP RG 1MO +-1% TK1		RG	0009.53	370.00	DRALORIC	CR	0603		
	C674	SMD RESISTOR EI RG 1MO +-1% TK1		RG	0009.53	370.00	DRALORIC	CR	0603		
	C675	SMD RESISTOR EI	A0603				DRALORIC		0603		
		SMD RESISTOR EI	A0603								
	C676	RG 1MO +-1% TK1 SMD RESISTOR EI	A0603				DRALORIC		0603		
	C677	RG 1MO +-1% TK1 SMD RESISTOR EI	A0603				DRALORIC		0603		
	C678	RG 1MO +-1% TK1 SMD RESISTOR EI		RG	0009.53	370.00	DRALORIC	CR	0603		
	C679	CC 10P+-0, 1PF50 SMD-CERAMIC-CAP	V NPO 0603	CC	0009.45	567.00	MURATA	GRM	39C0G***B50ZPT		
	C680	CC 10P+-0,1PF50	NPO 0603	cc	0009.45	567.00	MURATA	GRM	39C0G***B50ZPT		
	C681	SMD-CERAMIC-CAP	V NPO 0603	СС	0009.45	567.00	MURATA	GRM	39C0G***B50ZPT		
	C682	SMD-CERAMIC-CAP	V NPO 0603	СС	0009.45	567.00	MURATA	GRM	39C0G***B50ZPT		
	C683	SMD-CERAMIC-CAP RG 1MO +-1% TK1	00 0603	RG	0009.53	370.00	DRALORIC	CR	0603		
200	C684	SMD RESISTOR EI RG 1MO +-1% TK1		RG	0009.53	370.00	DRALORIC	CR ·	0603		
2	C685	SMD RESISTOR EI CC 22PF+-1% 5	A0603 OVNPO 0603	СС	0009.46	509.00	MURATA	GRM	39CDG***F50ZPT		
	C686	SMD-CERAMIC-CAP	ACITOR OVNPO 0603	cc	0009.46	309.00	MURATA		39C0G***F50ZPT		
	C687	SMD-CERAMIC-CAP	ACITOR OVNPO 0603		0009.46				39C0G***F50ZPT		
	C688	SMD-CERAMIC-CAP		İ	0009.46				39C0G***F50ZPT		
١		SMD-CERAMIC-CAP	ACITOR				•				
	C689 692	SMD-CERAMIC-CAP			0009.46				39COG***F50ZPT		
	C693 698	CC 1,2NF+-1% 50 CERAMIC CHIP CA	PACITOR		0007.74			120	6 5A 122FATOOJ		
	C699	CC 3.3PF 0,1PF SMD-CERAMIC-CAP		CC	0009.82	285.00	MURATA	GRM	39C0G***B50ZPT		
	C700	CC 3,3PF 0,1PF SMD-CERAMIC-CAP	50V NPO 06	CC	0009.82	285.00	MURATA	GRM:	39C0G***B50ZPT		
	C701	CC 4,7PFO,1PF50 SMD-CERAMIC-CAP	V NPO 0603	cc	0009.45	38.00	MURATA	GRM	39C0G***B50ZPT		
	C702	CC 2,2PF0,1PF50	V NPO 0603	СС	0009.44	167.00	MURATA	GRM	39COG***B50ZPT		
	0000	SMD-CERAMIC-CAP NICHT BESTUECKT	/NOT FITTED								
	C703	CC 6,8NF+-1% 50 SMD-CERAMIC CAP			0010.29	93.00	MURATA	GRM	42-2COG682F50PT		
	C704	CC 6,8NF+-1% 50 SMD-CERAMIC CAP			0010.29	93.00	MURATA	GRM	42-2C0G682F50PT		
	C705 707	CC 220PF+-1% 5 SMD-CERAMIC-CAP		CC	0009.47	721.00	MURATA	GRM	39C0G***F50ZPT		
	C708	CC 100NF+-10%16 CERAMIC CHIP CA	V HDK 0603	CC	1097.62	292.00	AVX	CM1	05 X7R104K16AT		
	C709	CC 2,2PF0,1PF50	V NPO 0603	СС	0009.44	467.00	MURATA	GRM	39C0G***B50ZPT		
	C710	SMD-CERAMIC-CAP CE 220UF 20% 10	V SMD		1081.18	373.00	SPRAGUE	595	D227X0010R2T		
		TANTALUM SMD CA	PACITOR						r _e gypy		
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Ī	C711	CC 2.2PFO.1PF50V		CC (0009.4467.00	MURATA	GRM39	COG***B50ZPT		
	C712	SMD-CERAMIC-CAPAC CC 100PF+-1% 50V	NPO 0603	CC (0009.4680.00	MURATA	GRM39	COG***F50ZPT		
	715 C800	SMD-CERAMIC-CAPAC CE 1UF +-10% 25V	3528	CE (0007.7217.00	SPRAGUE	293D	105 X9 025 B2T		
	C850	TANTALUM CHIP CAP CC 39PF+-1% 50V SMD-CERAMIC-CAPAC	NPO 0603	CC	0009.9730.00	MURATA	GRM39	9COG***F5OZPT		
	D1	BO AD835AR 250MHZ	4QMULTI		1085.1632.00	ANALOG_DEV	AD83	5AR		
1	D2	4-QUADRANT MULTIP BO AD835AR 250MHZ	4QMULTI		1085.1632.00	ANALOG_DEV	AD83	5AR		
l	D3	4-QUADRANT MULTIP BL AD7008 DDS MOD	LIER ULATOR	BL	1078.3410.00	ANALOG_DEV	AD70	08JP50		
	D4	IC MODULATOR BL PC74HCT125T 4X	BUFF. 3S	BL	0007.5395.00	PHILIPS_SE	(PC)	74HCT125(D/T)		
	D5	QUAD LINE DRIVER BS DG419DY 1XUM A	NALOGSCH		0746.0322.0	SILICONIX	DG4 1	9DY		
	D6	ANALOG SWITCH BL PC74HC86T 4X	2IN EXOR	BL	0007.3511.0	PHILIPS_SE	(PC)	74HC86(D/T)		
	D7	QUAD 2INPUT EXOOR	GATE	BL	0007.3511.0	PHILIPS_SE	(PC)	74HC86(D/T)		
	D8	QUAD 2INPUT EXOUR BS DG419DY 1XUM A	GATE			SILICONIX		anv		
	D9	ANALOG SWITCH BS DG413DY 2A2R A				SILICONIX		•		
	15	QUAD ANALOG CMOS.	SWITCH ANAL.MUX			SILICONIX				
	D16	IC 8 CH ANALOG MU				SILICONIX				
	D17	IC 8 CH ANALOG MU	LTIPLEX					74HC4094(D/T)		
	D18	BL PC74HC4094T 8S 8-STAGE SHIFT&STC	RE REG.					74HCTO8(D/T)		
	D19	BL PC74HCT08T 4X AND GATE		DL				74HC4094(D/T)		
	D20 26	BL PC74HC4094T 8S 8-STAGE SHIFT&STC	RE REG.							
o,	D27	BM AT-339 GAAS VA	IATOR		1085.1555.0	JIVIACUIVI	AI-3	39 PIN		
lechte v	D27	NUR VAR/ONLY MOD: BM AT-339 GAAS VA IC DIGITAL ATTENU	R.DAEMPF		1085.1555.0	MACOM	AT-3	39 PIN		
wir uns alle Rechte vor.	D27	NUR VAR/ONLY MOD: BM AT-339 GAAS VA IC DIGITAL ATTENU	: 04 AR.DAEMPF JATOR		1085.1555.0	MACOM	AT-3	39 PIN		
wir	D27	NUR VAR/ONLY MOD BM AT-339 GAAS VA IC DIGITAL ATTENU	R.DAEMPF JATOR		1085.1555.0	OMACOM	AT-3	39 PIN		
	D28	NUR VAR/ONLY MOD: BM SW-339 GAAS SF GAAS RF-SWITCH	POTSWITCH		1085.2074.0			9 PIN		
	D29 31	BL PC74HC4051T 80 8CHANNEL ANAL.MUL						74HC4051(D/T)		
	D32	BL PC74HCO8T 4) QUAD 2INPUT AND	(2IN.ANDG GATE	BL	0007.3486.0	O PHILIPS_SE	(PC)	74HC08(D/T)		
ļ	D33	BL MCK12140D PLL- PHASE FREQUENZY I	-PHASEDET	BL	1052.6235.0	O MOTOROLA	(MC)	K(M)140(D)		
	D34	BL PC74HCT132T 42 NAND SCHMITT TRIC	(2IN SCHM	BL	0007.6340.0	O PHILIPS	(PC)	74HCT132(D/T)		
,	D35	BL PC74HCT132T 42	(2IN SCHM	BL	0007.6340.0	O PHILIPS	(PC)	74HCT132(D/T)		
	D36	BL PC74HCT86T 47			0007.6291.0	O PHILIPS_SE	(PC)	74HCT86(D/T)		
	D37	BM SW-339 GAAS SI GAAS RF-SWITCH	PDTSWITCH		1085.2074.0	OMACOM	SW33	39 PIN		
	D38	BL PC74HC4094T 8: 8-STAGE SHIFT&ST			0804.0977.0	O PHILIPS_SE	(PC)74HC4094(D/T)		
	D39	BL PC74HC123T 2	XMULTIVIB	BL	0007.3528.0	O PHILIPS_SE	PC)74HC123(D/T)		
	D40	BS MPC102 2X2T01	VIDEOMUX		1085.1626.0	O BURR_BROW	N MPC	102AU		
	D41		1X12B-DAC		1012.9510.0	O PMI	DAC	3143FS		
	43 D44	12B SERIAL D/A-C BL UPB585G 2.5G	4:1 PRESC	BL.	1002.5029.	ONEC	(UPI	B)585(G)-(E1)		
	D45 48	IC PRESCALER 2.5 BJ DAC8143FS 12B SERIAL D/A-C	1X12B-DAC		1012.9510.0	OO PMI	DAC	B143FS		
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	Comp. No.	Designation	Stock No.	Manufacturer	Designation	contained in
	D49	BL PC74HCT86T 4X2IN.EXOR EXOR GATE	0007.6291.00	PHILIPS_SE	(PC)74HCT86(D/T)	
j	D50	BM SW-339 GAAS SPDTSWITCH GAAS RF-SWITCH	1085.2074.00	MACOM	SW339 PIN	
	D51	BM SW-339 GAAS SPDTSWITCH GAAS RF-SWITCH	1085.2074.00	MACOM	SW339 PIN	
	D52	BG TH3032.1C SERBUSD ASIC IC GATE ARRAY	BG 0008.6143.00	THESYS	TH3032.1C	
	D53	BS DG419DY 1XUM ANALOGSCH ANALOG SWITCH	0746.0322.00	SILICONIX	DG419DY	
	D54	BM SW-339 GAAS SPDTSWITCH	1085.2074.00	MACOM	SW339 PIN	
	055	GAAS RF-SWITCH BC X24164S8I-2.7 IC MEMORY	BC 0048.4258.00	XICOR	X24164S G	
	D56	BL PC74HCT125T 4XBUFF. 3S	BL 0007.5395.00	PHILIPS_SE	(PC)74HCT125(D/T)	
	D57	QUAD LINE DRIVER BL PC74HC86T 4X2IN EXOR QUAD 2INPUT EXOOR GATE	BL 0007.3511.00	PHILIPS_SE	(PC)74HC86(D/T)	
	D58	BL PC74HC4094T 8ST.BUSREG 8-STAGE SHIFT&STORE REG.	0804.0977.00	PHILIPS_SE	(PC)74HC4094(D/T)	
	D59	BL PC74HC4O51T 8CH.AN.MUX 8CHANNEL ANAL.MULTIPLEXER	0007.3592.00	PHILIPS_SE	(PC)74HC4051(D/T)	
	D61	BJ LTC1446L 2X12-DAC 12B SERIAL D/A-CONVERTER	1085.2200.00	LINEAR_TEC	(LTC)1446LI(S8)	
	G1	EO 50,000MHZ QUARZOSZ QUARTZ CRYSTAL OSCILLATOR	1029.2995.00	SEIKO	SG-615PH-C	
	L1	LD SMD-DR.Z=55 OHM 300MHZ	1085.1684.00	PHILIPS	BDS 3/3/4.6-4S2	
	L2	CHOKE LD 22NH 10% 0,60A 1210 RF CHOKE	1002.4897.00	SIEMENS	B82422-A3220-J(K)100	
	L3		LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
	L4	LD 47NH +-10% 0,3A 0805 SMD-MULTILAYER INDUCTOR	LD 0009.6824.00	токо	LL2012-FH47NK(J)	
٤	L5	LD 47NH +-10% 0,3A 0805 SMD-MULTILAYER INDUCTOR	LD 0009.6824.00	токо	LL2012-FH47NK(J)	
Bhalte vor.	L6	LD 1UH 10% 0,38A 1210 RF CHOKE	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
age b lechte	L7	LD 1UH 10% 0,38A 1210 RF CHOKE	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
Unter	L8	LD 3,3NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD 0009.6630.00	TOKO	LL1608-FHK(J)	
Für diese Unterlage behalten wir uns alle Rechte vor.	L9 11	LD 1UH 10% 0,38A 1210 RF CHOKE	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
Für 3	L12	LD 33NH +-10% O,3A 0603 SMD-MULTILAYER INDUCTOR	LD 0009.6753.00	токо	LL1608-FHK(J)	
	L13	LD 1UH 10% 0,38A 1210 RF CHOKE	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
	L14	LD 470NH 10% 0,15A 1210 RF CHOKE	LD 0007.9926.00	SIEMENS	B82422-A3471-J(K)100	
	L15	LD 1UH 10% 0,38A 1210 RF CHOKE	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	1
	L16	LD 1UH 10% 0,38A 1210 RF CHOKE	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
	L17	LD 15NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD 0009.6718.00	токо	LL1608-FHK(J)	
	L18 28	LD 1UH 10% 0,38A 1210 RF CHOKE	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
	L29	LD 15NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD 0009.6718.00	токо	LL1608-FHK(J)	
	L30	LD 10UH 10% 0,18A 1210 RF CHOKE	LD 0007.9255.00	SIEMENS	B82422-A1103-J(K)100	
	L31	LD 10UH 10% 0,18A 1210 RF CHOKE	LD 0007.9255.00	SIEMENS	B82422-A1103-J(K)100	
	L32	LD 1UH 10% 0,38A 1210 RF CHOKE	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
	L33	LD 39NH +-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD 0009.6760.00	токо	LL1608-FHK(J)	
	L34	LD 1UH 10% 0,38A 1210 RF CHOKE	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
	L35	LD 10UH 10% 0,18A 1210 RF CHOKE	LD 0007.9255.00		B82422-A1103-J(K)100	
ŀ	L36	LD 1UH 10% 0,38A 1210 RF CHOKE	LD 6006.0130.00		B82422-A1102-J(K)100	
	L37	LD 22NH 10% 0,3A 0603 SMD-MULTILAYER INDUCTOR	LD 0009.6730.00	токо	LL1608-FHK(J)	
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Comp. No.	Designation	Stock No.	Manufacturer	Designation	contained in
L98	XX ENTHALTEN IN				
L99	INCLUDED IN LD 22NH 10% 0,3A 0603	LD 0009.6730.00	TOKO	LL1608-FHK(J)	
	SMD-MULTILAYER INDUCTOR			,	
L100	XX ENTHALTEN IN INCLUDED IN				
L101	XX ENTHALTEN IN				
L102	INCLUDED IN XX ENTHALTEN IN				
	INCLUDED IN				
L103	XX ENTHALTEN IN INCLUDED IN				
L104	XX ENTHALTEN IN INCLUDED IN				
L105	XX ENTHALTEN IN				
L106	INCLUDED IN XX ENTHALTEN IN				
1	INCLUDED IN				
L107	XX ENTHALTEN IN INCLUDED IN				
L108	XX ENTHALTEN IN				ı
L 109	INCLUDED IN XX ENTHALTEN IN				
L110	INCLUDED IN XX ENTHALTEN IN			٠.	:
	INCLUDED IN				
L111	RG O-OHM WIDERSTAND 0603 SMD RESISTOR EIAO603	0009.9369.00	PHILIPS_CO	RC21 O DHM	
L112	LD 27NH 10% 0,3A 0603	LD 0009.6747.00	токо	LL1608-FHK(J)	:
L113	SMD-MULTILAYER INDUCTOR LD 33NH +-10% 0,3A 0603	LD 0009.6753.00	токо	LL1608-FHK(J)	
L114	SMD-MULTILAYER INDUCTOR XX ENTHALTEN IN				
L' 14	INCLUDED IN		Andrews and the second and the secon		
L115	XX ENTHALTEN IN I INCLUDED IN		And the second s		
L116	XX ENTHALTEN IN		And Andrews		
L117	INCLUDED IN LD 27NH 10%	LD 0009.6747.00	токо	LL1608-FHK(J)	
L118	SMD-MULTILAYER INDUCTOR LD 100NH 1%0R26 0.8A 1206				
	CERAMIC CHIP COIL	0048.4612.00		1206CS-101XFBC	
L119 122	LD 10UH 10% 0,18A 1210 RF CHOKE	LD 0007.9255.00	SIEMENS	B82422-A1103-J(K)100	
L123	LD 100UH 10% 0,06A 1210	LD 0007.9261.00	SIEMENS	B82422-A1104-J(K)100	
L124	RF CHOKE LD 33NH +-10% 0,3A 0603	LD 0009.6753.00	TOKO	LL1608-FHK(J)	
L125	SMD-MULTILAYER INDUCTOR LD 33NH +-10% 0,3A 0603	LD 0009.6753.00	TOKO	LL1608~FHK(J)	
	SMD-MULTILAYER INDUCTOR				
L126	LD 10UH 10%	LD 0007.9255.00	SIEMENS	B82422-A1103-J(K)100	
L134	LD SMD-DR.Z=8500HM 100MHZ CHOKE	1085.1661.00	PHILIPS	WBS2.5-5/4.8/10-4B1	
L135	XX ENTHALTEN IN				
L136	INCLUDED IN LD 10UH 10% 0,18A 1210	LD 0007.9255.00	SIEMENS	B82422-A1103-J(K)100	
	RF CHOKE				
L137	LD 10UH 10% 0,18A 1210 RF CHOKE	LD 0007.9255.00	SIEMENS	B82422-A1103-J(K)100	
L138	LD 1UH 10% 0,38A 1210 RF CHOKE	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L139	LD 100NH 1%OR26 0.8A 1206	0048.4612.00	COILCRAFT	1206CS-101XFBC	
L140	CERAMIC CHIP COIL LD 1UH 10% 0,38A 1210	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
	RF CHOKE				
L141	LD 100NH 1%OR26 0.8A 1206 CERAMIC CHIP COIL	0048.4612.00		1206CS-101XFBC	
L142	LD 1UH 10% 0,38A 1210 RF CHOKE	LD 6006.0130.00	SIEMENS	B82422-A1102-J(K)100	
L143	LD 1UH 10% 0,38A 1210	LD 6006.0130.00	SIEMENS	BB2422-A1102-J(K)100	
L144	RF CHOKE LD 10UH 10% 0,18A 1210	LD 0007.9255.00	SIEMENS	B82422-A1103-J(K)100	İ
L145	RF CHOKE LD 2,2UH 10% 0,27A 1210	LD 0520.7870.00		B82422-A1222-J(K)100	
	RF CHOKE			, ,	
L146	LD 10UH 10% 0,18A 1210 RF CHOKE	LD 0007.9255.00	SIEMENS	B82422-A1103-J(K)100	
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	Comp. No.	benennt Designat			St	ock No.	Manufacturer	Design		contained	111
I	L147	LD 10UH 10%	O, 18A	1210 L	_D 000	7.9255.00	SIEMENS	B82422	2-A1103-J(K)100		
i	L148	RF CHOKE XX ENTHALTEN I	N								
	L149	INCLUDED IN XX ENTHALTEN I	N								1
	L150	INCLUDED IN XX ENTHALTEN I									
ı		INCLUDED IN XX ENTHALTEN I									1
	L151	INCLUDED IN									ı
	L152	XX ENTHALTEN I									
	L153	XX ENTHALTEN I									1
	L154	XX ENTHALTEN I	N								
	L155	XX ENTHALTEN I INCLUDED IN	N								
	L156	LD 220NH 10% RF CHOKE	O,28A	1210	LD 052	0.7911.00	SIEMENS		2-A3221-J(K)100		
	161 L162	LD 10UH 10%	O,18A	1210	LD 000	7.9255.00	SIEMENS	B8242	2-A1103-J(K)100		ļ
	L163	RF CHOKE LD 100UH 10%	0,06A	1210	LD 000	7.9261.00	SIEMENS	B8242	2-A1104-J(K)100		
	L164	RF CHOKE LD 2,2UH 10%	O,27A	1210	LD 052	0.7870.00	SIEMENS	B8242	2-A1222-J(K) 100		1
	L165	RF CHOKE LD 10UH 10%	0,184	1210	LD 000	7.9255.00	SIEMENS	B8242	22-A1103-J(K)100		l
	L166	RF CHOKE LD 10UH 10%	0,184	1210	LD 000	7.9255.00	SIEMENS	B8242	22-A1103-J(K)100		
	L167	RF CHOKE LD 100UH 10%			LD 000	7.9261.00	SIEMENS	B8242	22-A1104-J(K)100		
	L168	RF CHOKE XX ENTHALTEN 1									
		INCLUDED IN LD 10UH 10%		1210	וח חמנ	07.9255.00	SIEMENS	B8242	22-A1103-J(K)100		ļ
	L169	RF CHOKE				31.0283.00			25-150		
	L170	LD SP-DROSSEL CHOKE				06.8252.00			42A1103K		
yov.	<u></u> 171	LD 10UH 10% RF CHOKE		4 2220					25-150		
wir uns alle Rechte vor.	L172	LD SP-DROSSEL CHOKE				81.0283.00					
8 8	L173	LD 1UH 10%		A 1210	ļ	06.0130.00			22-A1102-J(K)100		
SUD	L174	LD 220NH 10% RF CHOKE	0,28	A 1210		20.7911.00			22-A3221-J(K)100		
≆	L175	LD 10UH 10% RF CHOKE	0,18	A 1210		07.9255.00		B824	22-A1103-J(K)100)	
	L176	LD 10UH 10%	0,18	A 1210	LD 00	07.9255.00	SIEMENS	B824	22-A1103-J(K)100		
	L177	LD 1UH 10%	0,38	A 1210	LD 60	06.0130.00	SIEMENS	B824	22-A1102-J(K)100		
	L178	RF CHOKE LD 100NH 1%OR	26 0.8	A 1206	00	48.4612.00	COILCRAFT	1206	CS-101XFBC		
	L179	CERAMIC CHIP LD 1UH 10%	0,38	A 1210	LD 60	06.0130.00	SIEMENS	B824	22-A1102-J(K)100		
	182 L183	RF CHOKE LD 4,7UH 3% O	,31A	1812	00	48.6250.00	DALE	IMC-	1812-4.7UH-3%		
	L184	SMD INDUCTOR	0,18	A 1210	LD 00	07.9255.00	SIEMENS	B824	22-A1103-J(K)100		
	L185	RF CHOKE LD 4,7UH 3% 0	,31A	1812	oc	48.6250.00	DALE	IMC-	1812-4.7UH-3%		
	L186	SMD INDUCTOR LD 2,2UH 3% C		1812	oc	48.6221.00	DALE	IMC-	1812-2.2UH-3%		
	L187	SMD INDUCTOR		1812		048.6221.00		IMC-	1812-2.2UH-3%		
	1	SMD INDUCTOR LD 15UH 3% 0,		1812		048.6544.0			1812-15UH-3%		
	L188	SMD INDUCTOR		,0.12							
	L189	INCLUDED IN									
	L190	INCLUDED IN	IN								
	L191	XX ENTHALTEN INCLUDED IN	IN								
	L192	XX ENTHALTEN INCLUDED IN	IN								
	L193	XX ENTHALTEN	IN								
		INCEUDED IN									
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Comp. No.	Designati	оп	1	Stock No. Manufacturer D			De	signation	Conta	neu m
L194	XX ENTHALTEN IN	1								
L195		O,18A	1210	LD	0007.9255.0	O SIEMENS	B82	422-A1103-J(K)100		
L196		O,18A	1210	LD	0007.9255.0	O SIEMENS	B82	422-A1103-J(K)100		
L197	RF CHOKE LD 15UH 3% 0,06	SA.	1812		0048.6544.0	ODALE	ISC	-1812-15UH-3%		
L198	SMD INDUCTOR LD 4,7UH 3% 0,3		1812		0048.6250.0	O DALE	IMC	-1812-4.7UH-3%		
L199	SMD INDUCTOR LD 4,7UH 3% 0,3		1812		0048.6250.0	İ	IMC	-1812-4.7UH-3%		
L200	SMD INDUCTOR LD 2,2UH 3% 0,3		1812		0048.6221.0			-1812-2.2UH-3%		
L200	SMD INDUCTOR LD 2,2UH 3% 0,3		1812		0048.6221.0			-1812-2.2UH-3%		
	SMD INDUCTOR				0009.6724.0			608-FHK(J)		
L202	SMD-MULTILAYER		TOR	LU						
L203	LD 15UH 3% 0,06 SMD INDUCTOR		1812		0048.6544.0			-1812-15UH-3%		
L204	LD 15UH 3% 0,06 SMD INDUCTOR		1812		0048.6544.0			-1812-15UH-3%		
L205	RF CHOKE				6006.0130.0			422-A1102-J(K)100		
L206	LD 470NH 10% RF CHOKE	O,15A	1210	LD	0007.9926.0	O SIEMENS	B82	422-A3471-J(K)100		
L207	LD 10UH 10% RF CHOKE	O,18A	1210	LD	0007.9255.0	OSIEMENS	B82	422-A1103-J(K)100		
N1	BO TLO74ACD 4	XFET (OPAMP		0007.7823.0	OTEXAS	TLO	74A(CD)		
N2	OPERATIONAL AMP BO TLO74ACD 4	LIFIE			0007.7823.0	O TEXAS	TLO	74A(CD)		
из	OPERATIONAL AMP BO OP297GS 2X P				6071.9467.0	O ANALOG_DEV				
N4	IC DUALOPAMP BO TLO74ACD 4	XFET I	OPAMP		0007.7823.0			74A(CD)		
N5	OPERATIONAL AMP BM MSAO386 DC-2	LIFIE			0848.4461.0			0386		
N6	BROADBAND AMPLI BO NE5534D	FIER	OPAMP			O SIGNETICS				
N7	OPERATIONAL AMP BO OP275GS LN 2	LIFIE	R			O ANALOG_DEV				
11 N12	LOW NOISE FET A BO REFOICS 10V	UDIO (OPAMP		1002.5129.0			01C(S)		
N13	VOLTAGE REFEREN					O ANALOG_DEV				
N14	RAIL-TO-RAIL DU BO AD829JR HISP	JAL-FE	T OP	200		_				
	LOW-NOISE HIGH- BO AD829JR HISP	SPEED	AMP			O ANALOG_DEV				
N15	LOW-NOISE HIGH-	SPEED	AMP	ВО		O ANALOG_DEV				
N16	QUAD LOW-OFFSET		P		1002.5135.0			00G(S)		
N17	QUAD OPAMP FET	XFET (O LINEAR_TEC				
N18	BO OP400GS QUAD LOW-OFFSET	4XLP OPAM			1002.5135.0		OP4	DOG(S)		
N19	BO OP400GS QUAD LOW-OFFSET	4XLP OPAM			1002.5135.0	O PMI	OP4	00G(S)		
N20	BO OP297GS 2X P	REC	OPAMP		6071.9467.0	O ANALOG_DEV	0P2	97GS		
N21	BO OP297GS 2X PIC DUALOPAMP	REC	OPAMP		6071.9467.0	O ANALOG_DEV	OP2	97GS		
N22 24	BO AD744KR 500NS SETTL. BI			во	0854.1754.0	O ANALOG_DEV	(AD)744KR		
N25 27	BO OP297GS 2X P		OPAMP		6071.9467.0	O ANALOG_DEV	OP2	97GS		
N28	BL UPB581C IC PRESCALERDIV		PRESC	BL	0840.6113.0	O NEC	(UP)8581C		
N29	BO AD811JR VIDE HIGH-OUTPUT CUR	O CF		во	2025.2997.0	O ANALOG_DEV	AD8	11JR		
N30	BO MAX942CSA R- COMPARATOR				1085.1710.0	O MAXIM	MAX	942CSA-T		
N31	BO OPO7CS8 OPERATIONAL AMP		OPAMP		0007.7781.0	O LINEAR_TEC	LT1	001(CS8)		
33 N34	BO AD744KR	FET	OPAMP	во	0854.1754.0	O ANALOG_DEV	(AD)744KR		
	500NS SETTL. BI	ורבו ט	PAWP							
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IQ-MODULATOR

COUNTERINGS

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Comp. No.	Designation	Stock No.	Manufacturer De	signation	contained in
R23	RG O-OHM WIDERSTAND 0603	0009.9369.00	PHILIPS_CO RC2	1 O OHM	
R24	SMD RESISTOR EIAO603 RG 1KO +-1% TK100 0603	RG 0009.5340.00	PHILIPS_CO RC	22 H	
R25	SMD RESISTOR EIAO603 RG O-OHM WIDERSTAND 0603	0009.9369.00	PHILIPS_CO RC2	1 O OHM	
1	SMD RESISTOR EIA0603 RG 47R +-1% TK100 0603		PHILIPS_CO RC		
R26	SMD RESISTOR EIAO603				
R27 30	RG 100R +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5334.00			
R31	RG 47R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6924.00	PHILIPS_CO RC	22 H	
R32	RG 47R +-1% TK100 0603	0009.6924.00	PHILIPS_CO RC	22 H	
R33	SMD RESISTOR EIAO603 RG 100R +-1% TK100 0603	RG 0009.5334.00	PHILIPS_CO RC	22 H	
R34	SMD RESISTOR EIAO603 RG 100R +-1% TK100 0603	RG 0009.5334.00	PHILIPS_CO RC	22 H	
R35	SMD RESISTOR EIAO603 RG 220R +-1% TK100 0603	0009.6953.00	DRALORIC CR	0603	
R36	SMD RESISTOR EIA0603 RG 100R +-1% TK100 0603	RG 0009.5334.00	PHILIPS CO RC	22 H	
R37	SMD RESISTOR EIAO603 RG 182 OHM+-1%TK100 0603	0009.9130.00		0603	
	SMD RESISTOR EIAO603	RG 0009.5357.00			
R38	SMD RESISTOR EIAO603				
R39	RG 2K2 +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
R40	RG 270R +-1% TK100 0603 SMD RESISTOR EIA0603	0010.9581.00	PHILIPS_CO RC	22 H	
R41	RG 182 OHM+-1%TK100 0603 SMD RESISTOR EIA0603	0009.9130.00	DRALORIC CR	0603	:
R42	RG 270R +-1% TK100 0603 SMD RESISTOR EIA0603	0010.9581.00	PHILIPS_CO RC	22 H	
R43	RG 270R +-1% TK100 0603	0010.9581.00	PHILIPS_CO RC	22 H	
	SMD RESISTOR EIAO603 NUR VAR/ONLY MOD: 02				
R43	RG 270R +-1% TK100 0603 SMD RESISTOR EIA0603	0010.9581.00	PHILIPS_CO RC	22 H	
R43	NUR VAR/ONLY MOD: 04 RG 270R +-1% TK100 0603	0010.9581.00	PHILIPS_CO RC	22 H	
	SMD RESISTOR EIAO603 NUR VAR/ONLY MOD: 06				
R43	RG 270R +-1% TK100 0603 SMD RESISTOR EIA0603	0010.9581.00	PHILIPS_CO RC	22 H	
R44	NUR VAR/ONLY MOD: 08 RG 100R +-1% TK100 0603	RG 0009.5334.00	פאזו זפג כה פר	22 H	
R45	SMD RESISTOR EIAO603 RG 10R +-1% TK100 0603	RG 0009.5328.00			
	SMD RESISTOR EIAO603		_		
R46	RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
R47	RG 2K74 +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
R48	RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
R49	RG 20K +-1% TK100 0603 SMD RESISTOR EIA0603	0010.9100.00	PHILIPS_CO RC	22 H	
R50	RG 10,0K0H+-0,1%TK25 1206 SMD-RESISTOR	0009.7666.00	PHILIPS_CO MPC	01	
R50	NUR VAR/ONLY MOD: 02 RG 10,0K0H+-0,1%TK25 1206	0009 7666 00	PHILIPS_CO MPC	01	
NSO .	SMD-RESISTOR	0000.7000.00			
R50	NUR VAR/ONLY MOD: 04 RG 10,0K0H+-0,1%TK25 1206	0009.7666.00	PHILIPS_CO MPC	01	
	SMD-RESISTOR NUR VAR/ONLY MOD: 06	80 000 000	DIIV. 100 00		
R50	RG 7,5KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0764.00	PHILIPS_CO RCO	2	
R51	NUR VAR/ONLY MOD: 08 RS 0,25W 5KOHM +-20% SMD	RS 0007.9632.00	BI_TECHNOL 23	B R TR	
R52	POTENTIOMETER RG O-OHM WIDERSTAND 0603	0009.9369.00	PHILIPS_CO RC2	1 O OHM	
R53	SMD RESISTOR EIAO603 RG 51,0 OHM+-1%TK100 0603	0009.9030.00		0603	
R54	SMD RESISTOR EIAO603 RG 51,0 OHM+-1%TK100 0603	0009.9030.00		0603	
,,,,,	SMD RESISTOR EIAO603				
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Parts list for Stock No. Date Page ROHDE&SCHWARZ 1084.9800.01 SA 21+ 68 07.10.99 EE IQ-MODULATOR IQ-MODULATOR

TO-MODULATOR

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Manufacturer

Designation

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	Comp. No.		Designation	on			Stock	No.	Manufacturer	Des	gnation	contai	กเยอ
1	R116		+-1% TK1	00		RG	0009.	5328.00	PHILIPS_CO	RC 2	22 H		
	R117	RG 100R	+-1% TK	100	0603	RG	0009.	5334.00	PHILIPS_CO	RC 2	22 H		
	R118	RG 100R	+-1% TK	100	0603	RG	0009.	5334.00	PHILIPS_CO	RC 2	22 H		!
	R119	RG 10R	+-1% TK1 ISTOR EI	00	0603	RG	0009.	5328.00	PHILIPS_CO	RC 2	22 H		
	R120	RG 182	OHM+-1% ISTOR EI	TK 1	00 0603		0009.	9130.00	DRALORIC	CR C	0603		
	R121	RG 100R	+-1% TK ISTOR EI	100	0603	RG	0009.	5334.00	PHILIPS_CO	RC 2	22 H		
	R122	RG O-OH	M WIDERS ISTOR EI	TAN	D 0603				PHILIPS_CO				
	R123	RG 27,4	KOH+-O,1 ISTOR EI	%TK	25 1206 06				PHILIPS_CO				
	R124		W 1KOHM NTIOMETE	_	O% SMD				BI_TECHNOL				
	R125	SMD RES	+-1% TK ISTOR EI	A06	03				PHILIPS_CO				
	R126		+-1% TK ISTOR EI			RG			PHILIPS_CO				
	R127		M WIDERS ISTOR EI						PHILIPS_CO			1	
	R128		+-1% TK1 ISTOR EI		0603 03				PHILIPS_CO				
	R129 133		+-1% TK ISTOR EI			RG	0009.	5334.00	PHILIPS_CO	RC 2	22 H		
	R134		OHM+-1% ISTOR EI						DRALORIC	CR (
	R135		+-1% TK ISTOR EI						PHILIPS_CO				
	R136		+-1% TK ISTOR EI	_		RG	0009.	5334.00	PHILIPS_CO	RC 2	22 H		
	R137		+-1% TK ISTOR EI	_	_		0009.	6953.00	DRALORIC	CR (0603		
د	R138 140		+-1% TK ISTOR EI			RG			PHILIPS_CO				
ür diese Unterlage behalten wir uns alle Rechte vor.	R141	RG 100R SMD RES			1218						201-100R 1% TK100		
Rechte	R142	RG 100R SMD RES	ISTOR		1218						201-100R 1% TK100		
Unte	R143	SMD RES	+-1% TK ISTOR EI	A06	03	RG			PHILIPS_CO				
diese /ir uns	R146	SMD RES	+-1%TK ISTOR EI	A06	03				PHILIPS_CO				0
Ę,	R147	SMD RES	+-1% TK ISTOR EI	A06	03				PHILIPS_CO				
	R148	SMD RES	+-1% TK ISTOR EI	A06	03	RG			PHILIPS_CO				
	R149	SMD RES	+-1% TK ISTOR EI	A06	03				DRALORIC	CR (1
	R150	SMD RES	+-1% TK ISTOR EI	A06	03				DRALORIC	CR (
	R151	SMD RES	+-1% TK	A06	03				PHILIPS_CO				
	R152	SMD RES	+-1% TK	A06	03	RG			PHILIPS_CO				
	R153	SMD RES	+-1% TK	A06	03				DRALORIC	CR (
	R154	SMD RES	+-1% TK ISTOR EI	A06	03				DRALORIC	CR (-	
	R155	SMD RES	+-1% TK	A06	603	KG			PHILIPS_CO				
	R156	SMD RES	+-1% TK	A06	603				PHILIPS_CO				
	R157	SMD RES	+-1%TK10	106					PHILIPS_CO				
	R158	SMD RES	OHM+-1%	AO6	603				PHILIPS_CO				
	R159	SMD RES	+-1% TK	1A06	603				PHILIPS_CO				
	R160	SMD RES	+-1% TK	100	603				DRALORIC		0603		
	R161	SMD RES	+-1% TK ISTOR EI	I AOE	603	BC			DRALORIC		0603		
	R162		: +−1% TK SISTOR EI			KG	0009.	. 2334 . 00	PHILIPS_CO	KC	2 2 N		
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Date Parts list for Stock No. Page 1084.9800.01 SA ROHDE&SCHWARZ 23+ EE IQ-MODULATOR 68 07.10.99 IQ-MODULATOR

	Kennz. Comp. No.	Benennung Designation		Stock No.	Manufacturer	Designation	contains	d in	
	R163	RG 22R +-1% TK100	0603	0009.6901.00	DRALORIC C	R 0603			
ł	R164	SMD RESISTOR EIAO60 RG 100R +-1% TK100	0603	RG 0009.5334.00	PHILIPS_CO R	C 22 H			
- 1	R165	SMD RESISTOR EIAO60 RG 30,1 OHM+-1%TK10	3		PHILIPS_CO R				
1		SMD RESISTOR EIAO60	3		PHILIPS_CO R			1	
ŀ	R166	RG O-OHM WIDERSTAND SMD RESISTOR EIAOGO).3 I						
	R167	RG 10R +-1% TK100 SMD RESISTOR EIAO60		RG 0009.5328.00		(C)			
	R168	RG 5K62 +-1% TK100 SMD RESISTOR EIA060	0603	0010.8433.00	DRALORIC C	CR 0603			
į	R169	RG 5R62 +-1% TK250	0603	0009.9100.00	DRALORIC C	CR 0603			
	R170	SMD RESISTOR EIAO60 RG 100R +-1% TK100	0603	RG 0009.5334.00	PHILIPS_CO R	RC 22 H			
	R171	SMD RESISTOR EIAO60 RG 100R +-1% TK100	0603	RG 0009.5334.00	PHILIPS_CO R	RC 22 H			
1	R172	SMD RESISTOR EIAO60 RG 301R +-1%TK100	03 0603	0009.9123.00	PHILIPS_CO R	RC 22 H			
		SMD RESISTOR EIAO60 RG 301R +-1%TK100	03	0009.9123.00	PHILIPS_CO R	RC 22 H		i	
	R173	SMD RESISTOR EIAO60	03		PHILIPS_CO R				
	R174	RG 12R1+-1%TK100 SMD RESISTOR EIAO60				•			
	R175	RG O-OHM WIDERSTAND SMD RESISTOR EIAO60	03		PHILIPS_CO F				
l	R176	RG 100R +-1% TK100 SMD RESISTOR EIA060	0603 03	RG 0009.5334.00					
	R177	RG 7K5 +-1% TK100 SMD RESISTOR EIA060	0603	0010.8440.00	PHILIPS_CO F	RC 22 H			
	R178	RG 30,1 OHM+-1%TK1	00 0603	0009.9081.00	PHILIPS_CO F	RC 22 H			
1	R179	SMD RESISTOR EIAO60 RG 30,1 OHM+-1%TK10	00 0603	0009.9081.00	PHILIPS_CO F	RC 22 H			
	R180	SMD RESISTOR EIAO60 RG 1K21 +-1% TK100	0603	RG 0010.9817.00	PHILIPS_CO F	RC 22 H			
	R181	SMD RESISTOR EIAO6	0603 0603	RG 0010.9817.00	PHILIPS_CO F	RC 22 H			
أيا	R182	SMD RESISTOR EIAO6 RG 30,1 OHM+-1%TK1		0009.9081.00	PHILIPS_CO F	RC 22 H			
te vor.	184	SMD RESISTOR EIAO6		0009.9646.00		CR 0603			
alle Kechte	R185	RG 56R +-1% TK100 SMD RESISTOR EIAO6	03	RG 0009.5357.00					
	R186	RG 10K +-1% TK100 SMD RESISTOR EIA06							
WIF UNS	R187	RG 10K +-1% TK100 SMD RESISTOR EIA06	0603 03	RG 0009.5357.00					
*	R188	RG 301R +-1%TK100 SMD RESISTOR EIA06	0603		PHILIPS_CO				
	R189	RG 56R +-1% TK100 SMD RESISTOR EIA06	0603	0009.9646.00	DRALORIC	CR 0603			
	R190 192	RG 30,1 OHM+-1%TK1 SMD RESISTOR EIAO6	00 0603	0009.9081.00	PHILIPS_CO	RC 22 H			
	R193	RG 301R +-1%TK100	0603	0009.9123.00	PHILIPS_CO	RC 22 H			
	R194	SMD RESISTOR EIAO6 RG 121 OHM+-1%TK10	0 0603	0009.9498.00	DRALORIC	CR 0603			
	R195	SMD RESISTOR EIAO6 RG 121 OHM+-1%TK10	0 0603	0009.9498.00	DRALORIC	CR 0603			
	R196	SMD RESISTOR EIAO6		0009.6976.0	DRALORIC	CR 0603			
	199 R200	SMD RESISTOR EIAO6		0009.6901.0	DRALORIC	CR 0603			
	202	SMD RESISTOR EIAO6		0009.6930.0		CR 0603		•	
	R203	SMD RESISTOR EIAO	603		O PHILIPS_CO				
	R204	RG 825R +-1% TK100 SMD RESISTOR EIAO6	603						
	R205	RG 825R +-1% TK100 SMD RESISTOR EIAO	603		O PHILIPS_CO				
	R206 208	RG 100R +-1% TK100 SMD RESISTOR EIAO	0603	RG 0009.5334.0					
	R209	RG 68R +-1% TK100 SMD RESISTOR EIAO	0603	0009.6930.0	ODRALORIC	CR 0603			
	R210	RG 68R +-1% TK100	0603	0009.6930.0	ODRALORIC	CR 0603			
	R211	SMD RESISTOR EIAOG	0603	RG 0009.5334.0	O PHILIPS_CO	RC 22 H			
	214 R215	SMD RESISTOR EIAOR RG 182 OHM+-1%TK	100 0603	0009.9130.0	ODRALORIC	CR 0603			
		SMD RESISTOR EIAO							
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Comp. No.	Designation	Stock No. Manufacture	r Designation	Contained in
R216	RG 220R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6953.00 DRALORIC	CR 0603	
R217	RG 2K2 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7008.00 PHILIPS_0	CO RC 22 H	
R218	RG 100R +-1% TK100 0603	RG 0009.5334.00 PHILIPS_0	CO RC 22 H	
R219	SMD RESISTOR EIA0603 RG 10K +-1% TK100 0603	RG 0009.5357.00 PHILIPS_0	CO RC 22 H	-
R220	SMD RESISTOR EIAO603 RG 301R +-1%TK100 0603	0009.9123.00 PHILIPS_0	CO RC 22 H	
R221	SMD RESISTOR EIAO603 RG 3K92 +-1% TK100 0603	0010.8427.00 PHILIPS_0		THE PROPERTY OF THE PROPERTY O
	SMD RESISTOR EIAO603	RG 0009.5334.00 PHILIPS_0		
R222	SMD RESISTOR EIAO603			
R223	RG 100R +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5334.00 PHILIPS_0		
R224	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5357.00 PHILIPS_0		,
R225	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5357.00 PHILIPS_0	CO RC 22 H	
R226	RG 100R +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5334.00 PHILIPS_0	CO RC 22 H	
R227	RG 82,5 OHM+-1%TK100 0603	0009.9052.00 DRALDRIC	CR 0603	
R228	SMD RESISTOR EIAO603 RG 18K2+-1% TK100 0603	0010.9317.00 DRALDRIC	CR 0603	
R229	SMD RESISTOR E1A0603 RG 10K +-1% TK100 0603	RG 0009.5357.00 PHILIPS_0	CO RC 22 H	
R230	SMD RESISTOR EIAO603 RG 10K +-1% TK100 0603	RG 0009.5357.00 PHILIPS_0	CO RC 22 H	
R231	SMD RESISTOR EIAO603 RG 12,0KOH+-0,1%TK25 1206	0009.7620.00 PHILIPS_0		
R232	SMD-RESISTOR RG 10K +-1% TK100 0603	RG 0009.5357.00 PHILIPS_0		
236	SMD RESISTOR EIAO603			
R237	RG 100R +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5334.00 PHILIPS_0		
R238	RG 1,0 KO +-0,1%TK25 1206 SMD-RESISTOR	0009.7595.00 PHILIPS_0	CO MPC O1	
R239	RG 1,0 KO +-0,1%TK25 1206 SMD-RESISTOR	0009.7595.00 PHILIPS_0	CO MPC 01	
R240 243	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5357.00 PHILIPS_0	CO RC 22 H	
R244	RG 2K2 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7008.00 PHILIPS_0	CD RC 22 H	
R245	RG 10K +-1% TK100 0603	RG 0009.5357.00 PHILIPS_0	CO RC 22 H	
R246	SMD RESISTOR EIAO603 RG 10K +-1% TK100 0603	RG 0009.5357.00 PHILIPS_0	CO RC 22 H	
R247	SMD RESISTOR EIAO603 RG 10K +-1% TK100 0603	RG 0009.5357.00 PHILIPS_0	CO RC 22 H	
R248	SMD RESISTOR EIAO603 RG 10K +-1% TK100 0603	RG 0009.5357.00 PHILIPS_0		
R249	SMD RESISTOR EIAO603 RG 2K2 +-1% TK100 0603	0009.7008.00 PHILIPS_0		
R250	SMD RESISTOR EIAO603			
	SMD RESISTOR EIAO603	RG 0009.5340.00 PHILIPS_C		
R251	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5357.00 PHILIPS_0		
R252	RG 1KO +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5340.00 PHILIPS_0		
R253	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5357.00 PHILIPS_0	CO RC 22 H	
R254	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5357.00 PHILIPS_0	CO RC 22 H	
R255	RG 10,0KOH+-0,1%TK25 1206	0009.7666.00 PHILIPS_0	CO MPC 01	
R256	SMD-RESISTOR RG 10,0KOH+-0,1%TK25 1206	0009.7666.00 PHILIPS_0	CO MPC 01	
R257	SMD-RESISTOR RG 1KO +-1% TK100 0603	RG 0009.5340.00 PHILIPS_0	CO RC 22 H	
R258	SMD RESISTOR EIAO603 RG 20K +-1% TK100 0603	0010.9100.00 PHILIPS_0		
R259	SMD RESISTOR EIAO603 RG 5,11KOHM+-1%TK100 1206	RG 0007.0729.00 ROEDERSTE		
	CHIP RESISTOR			
R260	RG 5,11KOHM+-1%TK100 1206 CHIP RESISTOR	RG 0007.0729.00 ROEDERSTE		
R261	RG 39,2KOH+-0,1%TK25 1206 SMD-RESISTOR	0009.8027.00 PHILIPS_0	LU MPC 01	
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Stock No.

Manufacturer

Designation

1084.9800.01 SA

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EE IQ-MODULATOR
IQ-MODULATOR

	Kennz. Comp. No.	Benennung Designation	ļ	Stock No.	Manufacturer D	esignation	containe	d in
ŀ	R262	RG 39,2KOH+-0,1%TK2	5 1206		PHILIPS_CO MPO	0 01		
	R263	SMD-RESISTOR RG 39K2 +-1% TK100	0603	0010.9823.00	PHILIPS_CO RC	22 H		
	İ	SMD RESISTOR EIAO60 RG 20K +-1% TK100	3 0603	0010.9100.00	PHILIPS_CO RC	22 H		1
	R264	SMD RESISTOR EIAO60	.a l	RG 0009.5357.00				1
	R265	RG 10K +-1% TK100 SMD RESISTOR EIAO60	3		1			
1	R266	RG 8K25 +-1% TK100 SMD RESISTOR EIAO60	0603		PHILIPS_CO RC			
	R267	RG 15K +-1% TK100 SMD RESISTOR EIAO60	0603	0009.7043.00		0603		
	R268	RG 10K +-1% TK100	0603	RG 0009.5357.00	PHILIPS_CO RC	22 H		
	270 R271	SMD RESISTOR EIAOGO	0603	RG 0009.5363.00	DRALORIC CR	0603		
	R272	SMD RESISTOR EIAO60 RG 10K +-1% TK100	0603	RG 0009.5357.00	PHILIPS_CO RC	22 H		
l	R273	SMD RESISTOR EIAO60 RG 10K +-1% TK100	0603	RG 0009.5357.00	PHILIPS_CO RC	22 H		İ
		SMD RESISTOR EIAO60	3	0009.7043.00		0603		
	R274	RG 15K +-1% TK100 SMD RESISTOR EIAO60						
	R275 277	RG 10K +-1% TK100 SMD RESISTOR EIAO60	0603)3	RG 0009.5357.00				
	R278	RG 2K2 +-1% TK100 SMD RESISTOR EIAO60	0603	0009.7008.00	PHILIPS_CO RC	: 22 H		
	R279	RG 10K +-1% TK100	0603	RG 0009.5357.00	PHILIPS_CO RC	; 22 H		
	283 R284	SMD RESISTOR EIAO60 RG 82,5 OHM+-1%TK10	0603	0009.9052.00	DRALORIC CR	0603		
	R285	SMD RESISTOR EIAO60 RG 392R+-1% TK100	0603	0010.9300.00	PHILIPS_CO RC	22 H		
	R286	SMD RESISTOR EIAO60 RG 392R+-1% TK100	0603	0010.9300.00	PHILIPS_CO RO	22 H		
	R287	SMD RESISTOR EIAO60 RG 825R +-1% TK100		0010.8391.00	PHILIPS_CO RO	22 H		
		SMD RESISTOR EIAO6			PHILIPS_CO RO			
	R288	RG 2K2 +-1% TK100 SMD RESISTOR EIAO6	03			₹ 0603		
VOr.	R289	RG 470R +-1% TK100 SMD RESISTOR EIA06	0603 03	0009.6976.00				
Rachte	R290	RG 470R +-1% TK100 SMD RESISTOR EIAO6	0603 03	0009.6976.00		R 0603		
aile A	R291	RG 16,20HM+-1%TK10 SMD RESISTOR EIAO6	0603	0009.8933.00	DRALORIC CF	₹ 0603		
Sun	R292	RG 10K +-1% TK100 SMD RESISTOR EIA06	0603	RG 0009.5357.00	PHILIPS_CO RO	C 22 H		
×i×	R293	RG 16,20HM+-1%TK10	0 0603	0009.8933.00	DRALORIC CF	₹ 0603		
į	R294	SMD RESISTOR EIAO6 RG 16,20HM+-1%TK10	0 0603	0009.8933.00	DRALORIC C	R 0603		
	R295	SMD RESISTOR EIAO6 RG 10K +-1% TK100	0603	RG 0009.5357.00	PHILIPS_CO RO	C 22 H		
	R296	SMD RESISTOR EIAO6	03 0603	RG 0009.5357.00	PHILIPS_CO RO	C 22 H		
	R297	SMD RESISTOR EIAO6 RG 3K92 +-1% TK100		0010.8427.00	PHILIPS_CO R	C 22 H		
		SMD RESISTOR EIAO6	03	0009.6953.00		R 0603		
	R298	RG 220R +-1% TK100 SMD RESISTOR EIA06	03					
	R299	RG 100R +-1% TK100 SMD RESISTOR EIA06	03	RG 0009.5334.00				
	R300	RG 82,5 OHM+-1%TK1 SMD RESISTOR EIAO6		0009.9052.00		R 0603		
	R301	RG O-OHM WIDERSTAN SMD RESISTOR EIAOE	D 0603		PHILIPS_CO R			
	R302	RG 100R +-1% TK100	0603	RG 0009.5334.0	PHILIPS_CO R	C 22 H		
	R303	SMD RESISTOR EIAOG	0 0603	0009.9498.0	D DRALDRIC C	R 0603		
	R304	RG 121 OHM+-1%TK10	0603	0009.9498.0	DRALORIC C	R 0603		
	R305	SMD RESISTOR EIAOG		0009.7772.0	O PHILIPS_CO M	PC 01		
	R306	SMD-RESISTOR EIA12 RG 3K3 +-1% TK100	0603	0009.7014.0	O DRALORIC C	R 0603		
	311	SMD RESISTOR EIAO	503		O PHILIPS_CO R	C 22 H		
	R312	RG 680R +-1% TK100 SMD RESISTOR EIAO	503		O PHILIPS_CO R			
	R313	RG 680R +-1% TK100 SMD RESISTOR EIAO		0003.0902.0	O FILLETES_CO K	n√		
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	Comp. No.	Designation			Stock No.	Manutacturer	De	signation	Contained in
ľ	R314 317	RG 3K3 +-1% TK100 SMD RESISTOR EIA0603	0603		0009.7014.00	DRALORIC	CR (0603	
İ	R318	RG 1KO +-1% TK100 SMD RESISTOR EIA0603	0603	RG	0009.5340.00	PHILIPS_CO	RC 2	22 H	
	R3 19	RG 100R +-1% TK100 SMD RESISTOR EIA0603	0603	RG	0009.5334.00	PHILIPS_CO	RC 2	22 H	
	R320	RG 825R +-1% TK100 SMD RESISTOR EIA0603	0603		0010.8391.00	PHILIPS_CO	RC 2	22 H	
	R321	RG 470R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6976.00	DRALORIC	CR (0603	
	R322	RG 470R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6976.00	DRALORIC	CR (0603	
	R323	RG 1K5 +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6999.00	DRALORIC		0603	
	R324	RG 3K3 +-1% TK100 SMD RESISTOR EIA0603	0603		0009.7014.00	DRALORIC	CR (0603	
	R325	RG 5K62 +-1% TK100 SMD RESISTOR EIA0603	0603		0010.8433.00		CR (0603	
	R326	RG 51,0 OHM+-1%TK100 SMD RESISTOR EIA0603	0603		0009.9030.00	DRALORIC	CR (0603	
	R327	RG 470R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6976.00	DRALORIC	CR (0603	
	R328	RG 4K7 +-1% TK100 SMD RESISTOR EIAO603	0603		0009.7020.00	PHILIPS_CO	RC :	22 H	
	R329 331	RG 470R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6976.00	DRALORIC	CR (0603	
	R332	RG 100R +-1% TK100 SMD RESISTOR EIA0603	0603	RG	0009.5334.00	PHILIPS_CO	RC :	22 H	
	R333	RG 10K +-1% TK100 SMD RESISTOR EIA0603	0603	RG	0009.5357.00	PHILIPS_CO	RC :	22 H	
	R334	RG 470R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6976.00	DRALORIC	CR (0603	
	R335	RG 470R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6976.00	DRALORIC	CR (0603	
	R336	RG O-OHM WIDERSTAND SMD RESISTOR EIAO603	0603		0009.9369.00	PHILIPS_CO	RC2	1 O OHM	
c	R337	RG 220R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6953.00	DRALORIC	CR (0603	
erlaga behalten 9 Rechte vor.	R338	RG 220R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6953.00	DRALORIC	CR (0603	
age b lechte	R339	RG 150R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6947.00	PHILIPS_CO	RC :	22 H	
Unterlage alle Recht	R340	RG 825R +-1% TK100 SMD RESISTOR EIA0603	0603		0010.8391.00	PHILIPS_CO	RC :	22 H	
989 uns	R341 343	RG 470R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6976.00	DRALORIC	CR (0603	:
Für di wir	R344	RG 20K +-1% TK100 SMD RESISTOR EIA0603	0603		0010.9100.00				
	R345	RG 10K +-1% TK100 SMD RESISTOR EIA0603	0603	RG	0009.5357.00	PHILIPS_CO	RC :	22 H	
	R346	RG 6K8 +-1% TK100 SMD RESISTOR EIAO603	0603		0009.7037.00	DRALORIC	CR	0603	
	R347	RG 4K7 +-1% TK100 SMD RESISTOR EIAO603	0603		0009.7020.00	PHILIPS_CO	RC :	22 H	
	R348	RG 20,0KOH+-0,1%TK25 SMD-RESISTOR	1206		0009.7643.00	PHILIPS_CO	MPC	01	
	R349	RG 100R +-1% TK100 SMD RESISTOR EIA0603	0603	RG	0009.5334.00	PHILIPS_CO	RC :	22 H	
-	R350	RG 100R +-1% TK100 SMD RESISTOR EIA0603	0603	RG	0009.5334.00				
	R351	RG 30,1 OHM+-1%TK100 SMD RESISTOR EIAO603	0603		0009.9081.00				
	R352	RG 100R +-1% TK100 SMD RESISTOR EIA0603	0603	RG	0009.5334.00	PHILIPS_CO	RC :	22 H	
	R353	RG 30,1 OHM+-1%TK100 SMD RESISTOR EIAO603	0603		0009.9081.00	PHILIPS_CO	RC	22 H	
	R354	RG 825R +-1% TK100 SMD RESISTOR EIA0603	0603		0010.8391.00	PHILIPS_CO	RC	22 H	
	R355	RG 150R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6947.00	PHILIPS_CO	RC :	22 H	
	R356	RG 18,2KOH+-0,1%TK25 SMD-RESISTOR	1206		0009.7637.00	PHILIPS_CO	MPC	01	
	R357	RG 110 OHM+-1%TK100 SMD RESISTOR EIAO603	0603		0009.9481.00	DRALORIC	CR	0603	
	R358	RG 150R +-1% TK100 SMD RESISTOR EIA0603	0603		0009.6947.00	PHILIPS_CO	RC	22 H	
	R359	RG 182 OHM+-1%TK100 SMD RESISTOR EIAO603	0603		0009.9130.00	DRALORIC	CR	0603	
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Blatt-Nr. Page

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Manufacturer

Stock No.

Designation

contained in

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	Comp. No.	Designation	Stock No.	Manufacturer De	signation	contained in
	R408	RG O-OHM WIDERSTAND 0603	0009.9369.00	PHILIPS_CO RC2	1 O DHM	
	R409	SMD RESISTOR EIAO603 RG 10,0KOH+-0,1%TK25 1206 SMD-RESISTOR	0009.7666.00	PHILIPS_CO MPC	01	
	R409	NUR VAR/ONLY MOD: 02 RG 10,0K0H+-0,1%TK25 1206	0009.7666.00	PHILIPS_CO MPC	01	
	R409	SMD-RESISTOR NUR VAR/ONLY MOD: 04 RG 10,0KOH+-0,1%TK25 1206	0009.7666.00	PHILIPS_CO MPC	01	
	R409	SMD-RESISTUR NUR VAR/ONLY MOD: 06 RG 7,5KOHM+-1%TK100 1206 RG CHIP RESISTOR	RG 0007.0764.00	PHILIPS_CO RCO	2	
	R410	NUR VAR/ONLY MOD: 08 RG 4K7 +-1% TK100 0603	0009.7020.00	PHILIPS_CO RC	22 H	
	R411	SMD RESISTOR EIAO603 RG 470K +-1% TK100 0603	0009.7120.00	PHILIPS_CO RC	22 H	
	R412	SMD RESISTOR EIA0603 RG 10R +-1% TK100 0603	RG 0009.5328.00			
	R412	SMD RESISTOR EIAO603 RG 100R +-1% TK100 0603	RG 0009.5334.00			
	R414	SMD RESISTOR EIA0603 RG 4R75 +-1% TK250 0603		PHILIPS_CO RC		
	R415	SMD RESISTOR EIAO603 RG 182 OHM+-1%TK100 0603	0009.9130.00	DRALORIC CR	0603 [:]	
	R416	SMD RESISTOR EIAO603 RG O-OHM WIDERSTAND 0603	0009.9369.00	PHILIPS_CO RC2	1 O OHM	
	R417	SMD RESISTOR EIAO603 RG 15R +-1% TK100 0603 SMD RESISTOR EIAO603	0009.6899.00	DRALORIC CR	0603	
	R418	RG 30,1 OHM+-1%TK100 0603 SMD RESISTOR EIA0603	0009.9081.00	PHILIPS_CO RC	22 H	
	R419	RG 30,1 OHM+-1%TK100 0603 SMD RESISTOR EIA0603	0009.9081.00	PHILIPS_CO RC	22 H	
	R420	RG 1K82 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8404.00	PHILIPS_CO RC	22 H	
<u>د</u>	R421	RG 1K82 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8404.00	PHILIPS_CO RC	22 H	
ehalte vor.	R422	RG 1MO +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5370.00	DRALORIC CR	0603	
lage t	R423 429	RG 47R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6924.00	PHILIPS_CO RC	22 H	
Unter alle F	R430	RG 100R +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5334.00	PHILIPS_CO RC	22 H	
r diese Unterlage behalten wir uns alle Rechte vor.	R431	RG 100R +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5334.00	PHILIPS_CO RC	22 H	
ä ÿ ≯	R432	RG 22R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6901.00		0603	
	R433	RG 5R62 +-1% TK250 0603 SMD RESISTOR EIA0603	0009.9100.00		0603	
	R434	RG 5K11 +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC	f	
	R435	RG 1K82 +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
	R436	RG 2K74 +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
	R437	RG 301R +-1%TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		·
	R438	RG 301R +-1%TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
	R439	RG 220R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6953.00		0603	
:	R440	RG 825R +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
	R441	RG 825R +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
	R442	RG 270R +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
	R443	RG 270R +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
	R444	RG 182 OHM+-1%TK100 0603 SMD RESISTOR EIA0603	0009.9130.00		0603	
	R445	RG 150K +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
	R446	RG 470K +-1% TK100 0603 SMD RESISTOR EIA0603	1	PHILIPS_CO RC		
	R447	RG 150R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6947.00	PHILIPS_CO RC	44 N	
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Manufacturer

Stock No.

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0009.7072.00 PHILIPS_CO RC 22 H

0010.8404.00 PHILIPS_CO RC 22 H

Designation

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R489

R490

Designation

0603

0603

RG 47K +-1% TK100

RG 1K82 +-1% TK100 SMD RESISTOR EIA0603

SMD RESISTOR EIAO603

1GPK	887 3PLU	Äl Datum Date	Schaltteilliste für Parts list for	Sachnummer Stock No.	Biatt-Nr. Page
ROHDE	&SCHWARZ	68 07.10.99	EE IQ-MODULATOR	1084.9800.01 SA	31+

SMD RESISTOR EIAO603

TO-MODULATOR

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	R597	RG 100R +-1% TK	_		RG	0009.5334.00	PHILIPS_CO	RC 22 H		
1	R598	SMD RESISTOR EI			RG	0009.5340.00	PHILIPS CO.	₽C 22 H		
	607	SMD RESISTOR EI	IA06	03	100					
	R608	RG O-OHM WIDERS				0009.9369.00	PHILIPS_CO	RC21 O OHM		
	R609	RG 10R +-1% TK1			RG	0009.5328.00	PHILIPS_CO	RC 22 H		
		SMD RESISTOR EI	I A06	603						
	R610 613	RG 10R +-1% TK1 SMD RESISTOR EI			KG	0009.5328.00	PHILIPS_CO	RC 22 H		
	R614	RG 1KO +-1% TK1	100	0603	RG	0009.5340.00	PHILIPS_CO	RC 22 H		
l	R615	SMD RESISTOR EX			RG	0009.5328.00	PHILIPS CO	RC 22 H		
		SMD RESISTOR EI	1A06	603	```					
I	R616	RG 470R +-1% TK SMD RESISTOR EI				0009.6976.00	DRALORIC	CR 0603		
1	R617	RG 1KO +-1% TK1			RG	0009.5340.00	PHILIPS_CO	RC 22 H		
1	R618	SMD RESISTOR EI			DG.	0009.5340.00	PHTLTPS CO	DC 22 H		
	KOTO	SMD RESISTOR EI		603	N.C					
	R619	RG 30K1+-1% TK1	100	0603		0010.9281.00	PHILIPS_CO	RC 22 H		
	R620	SMD RESISTOR EI				0010.9100.00	PHILIPS_CO	RC 22 H		
		SMD RESISTOR EI	I A06	603						
	R621	RG 47OR +-1% TW SMD RESISTOR EI				0009.6976.00	DKALUKIC	CR 0603		
	R622	RG 30K1+-1% TK1	100	0603		0010.9281.00	PHILIPS_CO	RC 22 H		
	R623	SMD RESISTOR ED RG 47K +-1% TK1		0603	ĺ	0009.7072.00	PHILIPS CO	RC 22 H		
		SMD RESISTOR EX	I A 0 6	603	1					
1	R624	RG 30K1+-1% TK1 SMD RESISTOR EI		0603		0010.9281.00	PHILIPS_CU	RC 22 H		
I	R625	RG O-OHM WIDERS	STAN	ID 0603		0009.9369.00	PHILIPS_CO	RC21 O OHM		
	R626	SMD RESISTOR EI				0009.9369.00	PHTI TPS CO	PC21 O OHM		
		SMD RESISTOR EI	IAO6	603	_					
c.	R628	RG 1KO +-1% TK1 SMD RESISTOR EI			RG	0009.5340.00	PHILIPS_CO	RC 22 H		
ehafte vor.	R629	RG 5R62 +-1% TK			1	0009.9100.00	DRALORIC	CR 0603		
Unterlage behaften alle Rechte vor.	R630	SMD RESISTOR EI			DC.	0000 5340 00	מון זמנ כח	BC 33 H		
rlage b Rechte	637	SMD RESISTOR EI			KG.	0009.5340.00	LUITIES_CO	RC 22 B	ĺ	
Unter alle	R638	RG 1,1KOHM+-0,1			1	0009.8127.00	PHILIPS_CO	MPC 01		
Sa L	R639	SMD-RESISTOR EI			RG	0009.5328.00	PHILIPS_CO	RC 22 H		
ür diese Wir uns	DC 40	SMD RESISTOR EI		603	1		_			
가입다. 3	R640	RG 3K3 +-1% TK1 SMD RESISTOR EI		0603		0009.7014.00	DRALURIC	CR 0603		
	R641	RG 1KO +-1% TK1		0603	RG	0009.5340.00	PHILIPS_CO	RC 22 H		
	R642	SMD RESISTOR EI		0603		0009.7008.00	PHILIPS CO	RC 22 H		
	20.40	SMD RESISTOR EI		603	1		_			
	R643	RG 2K2 +-1% TK1 SMD RESISTOR EI		0603		0009.7008.00	PHILIPS_CO	RC 22 H		
	R644	RG 3K3 +-1% TK1	100	0603	1	0009.7014.00	DRALORIC	CR 0603		
	R645	SMD RESISTOR EI			RG	0009.5328.00	PHILIPS CO.	RC 22 H		
		SMD RESISTOR EI	I A 06	603			_			
ľ	R646	RG 1KO +-1% TK1 SMD RESISTOR EI			RG	0009.5340.00	PHILIPS_CO	RC 22 H		
	R647	RG 5K62 +-1% TK	K 100	0603		0010.8433.00	DRALORIC	CR 0603		
	R648	SMD RESISTOR EI			P.G	0009.5340.00	מודוו זמכ כח	מר מים ע		
1	650	SMD RESISTOR EI	IAO6	503	, KG		_			
I	R651	RG 3K92 +-1% TK SMD RESISTOR EI				0010.8427.00	PHILIPS_CO	RC 22 H		
I	R652	RG 1KO +-1% TK1			RG	0009.5340.00	PHILIPS_CO	RC 22 H		
f	656	SMD RESISTOR EI		603	ĺ					
	R657	RG 2K2 +-1% TK1 SMD RESISTOR EI				0009.7008.00	_			
	R658	RG 1KO +-1% TK1			RG	0009.5340.00	PHILIPS_CO	RC 22 H		
	R659	SMD RESISTOR EI RG 825R +-1% TM				0010.8391.00	PHILIPS_CO	RC 22 H		
		SMD RESISTOR EI	1A06	603	20					
	R660 662	RG 1KO +-1% TK1 SMD RESISTOR E			КЬ	0009.5340.00	PHIFIP2_CO	RC 22 H		
	R663	RG 5K62 +-1% TH	K 100	0603		0010.8433.00	DRALORIC	CR 0603		
		SMD RESISTOR E	IAUb	103						
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R720

Designation

0603

RG 20K +-1% TK100

SMD RESISTOR EIA0603

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Manufacturer

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Comp. No.	Designation	Stock No.	Manufacturer De	signation	contained in
R929	RS 0,25W10K0HM +-20% SMD	RS 0007.9649.00	BI_TECHNOL 23 I	B R TR	
R930	POTENTIOMETER RS 0,25W5OKOHM +-20% SMD	RS 0007.9661.00	1		
R931	POTENTIOMETER RG 182 OHM+-1%TK100 0603	0009.9130.00	DRALORIC CR	0603	
R932	SMD RESISTOR EIAO603 RG 130R +-1% TK100 0603	1078.3110.00	DRALORIC CR	0603	
R933	SMD RESISTOR EIAO603 RG 560R +-1% TK100 0603	0009.9630.00	DRALORIC CR	0603	
R934	SMD RESISTOR EIAO603 RG 560R +-1% TK100 0603 SMD RESISTOR EIAO603	0009.9630.00	DRALORIC CR	0603	
R935	RG 150 OHM+-0, 1%TK25 1206 SMD-RESISTOR EIA1206	0009.8091.00	PHILIPS_CO MPC	01	
R936	RG 8R25 +-1% TK250 0603 SMD RESISTOR EIA0603	0009.9117.00	DRALORIC CR	0603	
R937	RG 68K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7089.00	PHILIPS_CO RC	22 H	
R938	RG 1KO +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5340.00	PHILIPS_CO RC	22 H	
R939	RG 1KO +-1% TK100 0603 SMD RESISTOR EIA0603	RG 0009.5340.00	PHILIPS_CO RC	22 H	
R940	RG 470K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7120.00	PHILIPS_CO RC	22 H	
R941	RG 150K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7095.00	PHILIPS_CO RC :	22 H [:]	
R942	RG 56R +-1% TK100 0603 SMD RESISTOR EIA0603 NUR VAR/ONLY MOD: 02	0009.9646.00	DRALORIC CR	0603	
R942	RG 56R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.9646.00	DRALORIC CR	0603	
R942	NUR VAR/ONLY MOD: 04 RG 56R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.9646.00	DRALORIC CR	0603	
R942	NUR VAR/ONLY MOD: 06 RG 47R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6924.00	PHILIPS_CO RC	22 H	
R943	NUR VAR/ONLY MOD: 08 RG 51,0 OHM+-1%TK100 0603	0009.9030.00	DRALORIC CR	0603	
R944	SMD RESISTOR EIAO603 RG 100K +-1% TK100 0603	RG 0009.5363.00	DRALORIC CR	0603	
R945	SMD RESISTOR EIAO603 RG 1KO +-1% TK100 0603	RG 0009.5340.00	PHILIPS_CO RC	22 H	
R946	SMD RESISTOR EIAO603 RG 68K +-1% TK100 0603 SMD RESISTOR EIAO603	0009.7089.00	PHILIPS_CO RC	22 H	
R947	RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7020.00	PHILIPS_CO RC	22 H	
R956	RG O-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO RC2	1 O OHM	
R959	RG 82,5 OHM+-1%TK100 0603 SMD RESISTOR EIA0603	0009.9052.00	DRALORIC CR	0603	
R963	RG 15K +-1% TK100 0603 SMD RESISTOR EIA0603			0603	
R964	RG 33K +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
R965	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
R966	RG 30,1 OHM+-1%TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
R967	RG 301R +-1%TK100 0603 SMD RESISTOR EIA0603		PHILIPS_CO RC		
R968	RS 0,25W500K0HM+-20% SMD POTENTIOMETER		BI_TECHNOL 23		
R969	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603 RG 10K +-1% TK100 0603		PHILIPS_CO RC		
R970 R971	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603 RG 1,82KOHM+-1%TK100 1206		PHILIPS_CO RCO		
R972	RESISTOR CHIP RG 1.82KDHM+-1%TK100 1206		PHILIPS_CO RCO		
R973	RESISTOR CHIP RG 270R +-1% TK100 0603		PHILIPS_CO RC		
R974	SMD RESISTOR EIAO603 RG 270R +-1% TK100 0603		PHILIPS_CO RC		
R975	SMD RESISTOR EIAO603 RG 12K1 +-1% TK100 0603 SMD RESISTOR EIAO603	0010.8462.00	DRALORIC CR	0603	
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Comp. No.	Designation	ļ	Stock No.	Manufacturer De	asignation	contained in
R1002	RG 100R +-1% TK100	0603	RG 0009.5334.00	PHILIPS_CO RC	22 H	
21000	SMD RESISTOR EIAO603	0603	RG 0009.5334.00	מון ומכ כח פר	22 ⊔	Į
R1003	RG 100R +-1% TK100 (SMD RESISTOR EIA0603					
R1004	RG 1KO +-1% TK100	0603	RG 0009.5340.00	PHILIPS_CO RC	22 H	
R1005	SMD RESISTOR EIAO603 RG 220R +-1% TK100	0603	0009.6953.00	DRALORIC CR	0603	
1010	SMD RESISTOR EIAO603					
R1011	RG 30,1 OHM+-1%TK100	0603	0009.9081.00	PHILIPS_CO RC	22 H	
R1012	SMD RESISTOR EIAO603 RG 432R +-1%TK100	0603	0009.9098.00	DRALORIC CR	0603	
21010	SMD RESISTOR EIAO603	0000	0000 6047 00	חשדו דחכ כם חכ	00 H	
R1013 1018	RG 150R +-1% TK100 (SMD RESISTOR EIA0603	0603	0009.6947.00	PHILIPS_CO RC	22 m	
R1019	RG 82,5 OHM+-1%TK100	0603	0009.9052.00	DRALORIC CR	0603	
R1020	SMD RESISTOR EIAO603 RG 10R +-1% TK100	0603	RG 0009.5328.00	PHILIPS OF RO	22 H	
11020	SMD RESISTOR EIAO603	-				
R1021	RG 4R75 +-1% TK250 SMD RESISTOR EIAO603	0603	0010.8379.00	PHILIPS_CO RC	22 H	
R1022		0603	0009.9646.00	DRALORIC CR	0603	
1	SMD RESISTOR EIAO603		20 2012 2017 20	DUTE TOC CO DO	00.11	
R1023	RG 1K21 +-1% TK100 SMD RESISTOR EIA0603	0603	RG 0010.9817.00	PHILIPS_CO KC	22 n	
R1024	RG 10K +-1% TK100	0603	RG 0009.5357.00	PHILIPS_CO RC	22 H	
R1025	SMD RESISTOR EIAO603 RG 3K3 +-1% TK100	0603	0009.7014.00	DRALORIC CR	0603	
	SMD RESISTOR EIAO603					
R1026	RG 3K3 +-1% TK100 SMD RESISTOR EIA0603	0603	0009.7014.00	UKALURIC CR	0603	
R1027		0603	0009.7014.00	DRALORIC CR	0603]
R1028	SMD RESISTOR EIAO603 RG 470R +-1% TK100	0603	0009.6976.00	DEVIDETC CD	0603	
K1026	SMD RESISTOR EIAO603	0003	0009.0970.00	DRALDRIC CR	0003	
R1029		0603	0010.8391.00	PHILIPS_CO RC	22 H	
R1030	SMD RESISTOR EIAO603 RS 0,25W 1KOHM +-20%	SMD	RS 0007.9610.00	BI_TECHNOL 23	B R TR	
24004	RG POTENTIOMETER				1	
R1031	RG 1K5 +-1% TK100 SMD RESISTOR EIA0603	0603	0009.6999.00	DRALURIC CR	0603	
R1032	RG 1KO +-1% TK100	0603	RG 0009.5340.00	PHILIPS_CO RC	22 H	
R1033	SMD RESISTOR EIAO603 RG 47K +-1% TK100	0603	0009.7072.00	PHILIPS_CO RC	22 H	
	SMD RESISTOR EIAO603			·		
R1034	RG 10R +-1% TK100 SMD RESISTOR EIA0603	0603	RG 0009.5328.00	PHILIPS_CO RC	22 H	:
R1035	RG 8K25 +-1% TK100	0603	0010.8456.00	PHILIPS_CO RC	22 H	i
R1036	SMD RESISTOR EIAO603 RG 10K +-1% TK100	0603	RG 0009.5357.00	PHILIPS CO RC	22 H	
	SMD RESISTOR EIAO603					
R 1037	RG 2K2 +-1% TK100 SMD RESISTOR EIA0603	0603	0009.7008.00	PHILIPS_CO RC	22 H	
R1038	RG 10K +-1% TK 100	0603	RG 0009.5357.00	PHILIPS_CO RC	22 H	1
R1039	SMD RESISTOR EIAO603 RG 10R +-1% TK100	0603	RG 0009.5328.00	חם חם פסד ודאם	22 H	
	SMD RESISTOR EIAO603	-		_		
R1040	RG 10R +-1% TK100 SMD RESISTOR EIAO603	0603	RG 0009.5328.00	PHILIPS_CD RC	22 H	
R1041	RG 39K2 +-1% TK100	0603	0010.9823.00	PHILIPS_CO RC	22 H	,
	SMD RESISTOR EIAO603	0602				
R1042	RG 100K +-1% TK100 SMD RESISTOR EIA0603	0603	RG 0009.5363.00	DKALUKIC CK	0603	;
R1043	RG 1MO +-1% TK100	0603	RG 0009.5370.00	DRALORIC CR	0603	,
1050 R1051	SMD RESISTOR EIAO603 RG 100R +-1% TK100	0603	RG 0009.5334.00	PHILIPS CO RC	22 H	
	SMD RESISTOR EIAO603					
R1052	RG 100R +-1% TK100 SMD RESISTOR EIA0603	0603	RG 0009.5334.00	PHILIPS_CO RC	22 H	
R1053	RG O-OHM WIDERSTAND	0603	0009.9369.00	PHILIPS_CO RC2	1 0 OHM	,
R1054	SMD RESISTOR EIAO603 RG 1KO +-1% TK100	0603	RG 0009.5340.00	מון זפק נוואק	22 H	
1,1054	SMD RESISTOR EIAO603					
R1055		0603	RG 0009.5340.00	PHILIPS_CO RC	22 H	
R1056	SMD RESISTOR EIAO603 RG 1KO +-1% TK100	0603	RG 0009.5340.00	PHILIPS_CO RC	22 H	
	SMD RESISTOR EIAO603					
R1057	RG 1KO +-1% TK100 SMD RESISTOR EIAO603	0603	RG 0009.5340.00	LUITIES CO KC	44 D	
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	R1119	RG 100K +-1% TK10		0603	RG	0009.5363.00	DRALORIC	CR C	0603			
	R1120	SMD RESISTOR EIAO RG 30,1 OHM+-1%TK SMD RESISTOR EIAO	100	0603		0009.9081.00	PHILIPS_CO	RC 2	22 H			
	R1121	RG 100K +-1% TK10	00	0603	RG	0009.5363.00	DRALORIC	CR (0603			
	R1122	SMD RESISTOR EIAO RG 20K +-1% TK10 SMD RESISTOR EIAO	0	0603		0010.9100.00	PHILIPS_CO	RC S	22 H			
	R1123	RG 35,7 OHM+-1%TK SMD RESISTOR EIAO	100	0603		0009.9000.00	PHILIPS_CO	RC 2	22 H			
	R1124	RG 100R +-1% TK10 SMD RESISTOR EIAO	00	.0603	RG	0009.5334.00	PHILIPS_CO	RC 2	22 H			
	R1125	RG 100R +-1% TK10 SMD RESISTOR EIAO	00		RG	0009.5334.00	PHILIPS_CO	RC 2	22 H			
	R1126	RG 10K +-1% TK100 SMD RESISTOR EIAO)		RG	0009.5357.00	PHILIPS_CO	RC :	22 H			
	R1129	RK SMD-HEISSL.100 SMD-NTC-RESISTOR		1206		0008.9236.00	SIEMENS	8576	621-C104	-J		
ı	R1130	RG 12K1 +-1% TK10		0603		0010.8462.00	DRALORIC	CR (0603			
ł	R1131	SMD RESISTOR EIAO RG 12K1 +-1% TK10 SMD RESISTOR EIAO	00	0603		0010.8462.00	DRALORIC	CR (0603			
	R1132	RG 121 OHM+-1%TK1 SMD RESISTOR EIAO	100	0603		0009.9498.00	DRALORIC	CR (0603			
	1136 R1137	RG 392K+-1% TK100		0603		1097.6528.00	DRALORIC	CR (0603	`-		
	R1138	RESISTOR RG 39R 1% 1W		1218		1104.2786.00	PHILIPS_CO	PRC	201-39R	1% TK100		
Ī	R1139	SMD-RESISTOR RG 39R 1% 1W		1218		1104.2786.00	PHILIPS_CO	PRC	201-39R	1% TK100		
	R1140	SMD-RESISTOR RG 330R +-1% TK10		0603		0009.6960.00	DRALORIC	CR (0603			Î
	1143 R1144	SMD RESISTOR EIAO)	0603		0009.7008.00	PHILIPS_CO	RC :	22 H			
1	R1145	SMD RESISTOR EIAO)	0603		0009.7008.00	PHILIPS_CO	RC :	22 H			
١	R1146	SMD RESISTOR EIAO)	0603	RG	0009.5340.00	PHILIPS_CO	RC :	22 H			
į	1149 R1150	SMD RESISTOR EIAO	00	0603		0010.8427.00	PHILIPS_CO	RC :	22 H			
8113	R1151	SMD RESISTOR EIAO RG 3K92 +-1% TK10	00	0603		0010.8427.00	PHILIPS_CO	RC :	22 H			
2	R1152	SMD RESISTOR EIAO RG 301R +-1%TK10	0 0	603		0009.9123.00	PHILIPS_CO	RC 2	22 H			
	R1153	SMD RESISTOR EIAO RG 100R +-1% TK10 SMD RESISTOR EIAO	00	0603	RG	0009.5334.00	PHILIPS_CO	RC :	22 H			
*	R1154	RG 150R +-1% TK10 SMD RESISTOR EIAO	00	0603		0009.6947.00	PHILIPS_CO	RC 2	22 H			
	R1155	RG 150R +-1% TK10 SMD RESISTOR EIAO	00	0603		0009.6947.00	PHILIPS_CO	RC :	22 H			
	R1156	RG 200R +-1% TK10 SMD RESISTOR EIAO	00	0603		1097.6386.00	DRALORIC	CR (0603			
	R1157	RG 200R +-1% TK10 SMD RESISTOR EIAO	00	0603		1097.6386.00	DRALORIC	CR (0603			
	R1158	RG 150R +-1% TK10 SMD RESISTOR EIAO	00	0603		0009.6947.00	PHILIPS_CO	RC :	22 H			
	R1159	RG 150R +-1% TK10 SMD RESISTOR EIAC	00	0603		0009.6947.00	PHILIPS_CO	RC :	22 H			
	R1160	RG 35,7 OHM+-1%TK	(100	0603		0009.9000.00	PHILIPS_CO	RC :	22 H			
	R1161	RG 432R +-1%TK100 SMD RESISTOR EIAO)	0603		0009.9098.00	DRALORIC	CR (0603			
	R1162	RG 432R +-1%TK100 SMD RESISTOR EIAC)	0603		0009.9098.00	DRALORIC	CR (0603			
	R1163	NICHT BESTUECKT/N RG O-OHM WIDERSTA	TOP			0009.9369.00	מדו דשפ בח	RC2	1 በ በ⊔Խ			
	R1164	SMD RESISTOR EIAC RG 100K +-1% TK10	0603	0603	p.c	0009.5363.00			0603			
		SMD RESISTOR EIAC	0603									
	R1165	RG 100R +-1% TK10 SMD RESISTOR EIAC RG 10K +-1% TK100	0603			0009.5334.00						
	R1166 1183	SMD RESISTOR EIAC	0603									
	R1184	RG 10K +-1% TK100 SMD RESISTOR EIAC	0603			0009.5357.00				:		
	R1185	RG 10K +-1% TK100 SMD RESISTOR EIAC		0603	KG	0009.5357.00	LUILILS_CO	RC	22 N			
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ľ	R1186	RG 13K +-1% TK100	0603		1097.6428.00	PHILIPS_CO	RC 22	н			1
	R1187	SMD RESISTOR EIAO60 RG 13K +-1% TK100	0603		1097.6428.00	PHILIPS_CO	RC 22	: н			
ľ	R1188	SMD RESISTOR EIAO60 RG 13K +-1% TK100	0603		1097.6428.00	PHILIPS_CO	RC 22	: H			
1	R1189	SMD RESISTOR EIAO60 RG 10K +-1% TK100	0603	RG	0009.5357.00	PHILIPS_CO	RC 22	: н			
	R1190	SMD RESISTOR EIAO60 RG 10K +-1% TK100	0603	RG	0009.5357.00	PHILIPS_CO	RC 22	! H			
	R1191	SMD RESISTOR EIAO60 RG 2K74 +-1% TK100	0603		0010.8410.00	PHILIPS_CO	RC 22	! H			
	1194 R1195	SMD RESISTOR EIAO60 RG 6K8 +-1% TK100	0603		0009.7037.00	DRALORIC	CR 06	503			
	1198 R1199	SMD RESISTOR EIAO60 RG 3R32 +-1% TK250	0603		0010.8362.00	PHILIPS_CO	RC 22	? H			
	R1200	SMD RESISTOR EIAO60 RG 3R32 +-1% TK250	0603		0010.8362.00	PHILIPS_CO	RC 22	? Н			
	R1201	SMD RESISTOR EIAO60 RG 1KO +-1% TK100	3 0603	RG	0009.5340.00						
	1203 R1204	SMD RESISTOR EIAO60 RG 4K7 +-1% TK100			0009.7020.00						
	1206 R1207	SMD RESISTOR EIAOGO RK SMD-HEISSL.100K			0008.9236.00			21-C104-J			
	R1207	SMD-NTC-RESISTOR RG 12K1 +-1% TK100	0603		0010.8462.00		CR OF		٠.		
	1212	SMD RESISTOR EIAOGO RG 18K2+-1% TK100			0010.9317.00		CR O				
	R1213	SMD RESISTOR EIAOGO RG O-OHM WIDERSTAND	3		0009.9369.00	i .					
	R1214	RG O-OHM WIDERSTAND SMD RESISTOR EIAO60 RG 100R 1% 1W			1104.2740.00				TK 100		
	R1215	SMD RESISTOR	1218		1104.2740.00						
	R1216	RG 100R 1% 1W SMD RESISTOR	0603		1097.6386.00		CR Of				
	R1217	RG 200R +-1% TK100 SMD RESISTOR EIAO60	3		,507,0000,00		01				
	R1218	NICHT BESTUECKT/NOT RS 0,25W10K0HM +-20		RS	0007.9649.00	BI_TECHNOL	23 B	R TR			
te vor.	D4040	POTENTIOMETER NICHT BESTUECKT/NOT			1093.6175.00	DRAI ORTO	CR O	503			
Rechte	R1219	RG 182K +-1% TK100 RESISTOR		P	1093.6175.00			- -			
8	R1220	RG 1,21KOHM+-1%TK10			0006.9968.00						
wir uns	R1221 1224				0006.7271.00		CR 1	206			
>	R1225	RG O-OHM WIDERSTANI RESISTOR CHIP O-OHI	VI		: 0007.5108.00 : 0006.8903.00						
	R1226	RG 121 DHM+-1%TK100 CHIP RESISTOR			6 0006.8903.00 6 0009.5370.00		CR O				
	R1250	RG 1MO +-1% TK100 SMD RESISTOR EIAO6		ı			CR O				
	R1251	RG 1MO +-1% TK100 SMD RESISTOR EIAO6			3 0009.5370.00 3 0009.5370.00		CR O				
	R1252	RG 1MO +~1% TK100 SMD RESISTOR EIAO6			3 0009.5370.00						
	R1253	RG 1MO +-1% TK100 SMD RESISTOR EIAO6	0603		0009.5370.00		CR 0				
	R1300	RG 51,1 OHM+-1%TK1 CHIP RESISTOR			0006.8810.00						
	R1301	RG 51,1 OHM+-1%TK1 CHIP RESISTOR	00 1206	RG	0006.8810.00	PHILLPS_CO	к¢02	•			
	S1	BM SSW-124 SPD	TSWITCH		1085.2222.00	STANFORD_M	SSW-	·124			
	S2	GAAS RF-SWITCH BM SSW-124 SPD	TSWITCH		1085.2222.00	STANFORD_M	SSW-	124			
		GAAS RF-SWITCH									
	T1	DW SYMETRIEUEBERTR			1084.9846.00		A	NO(0)			
	U1 3	BJ DACOBCS D/A-CONVERTER	1X8-DAC	Ì	6024.3137.00			08C(S)			
	U4 6	ER JPS-2-1W 2WEG-L 2WAY POWER DIVIDER	.TEILER			MINI-CIRCU					
	U7		COMPAR		0520.7734.00	1		903(D)			
	U8		COMPAR		0520.7734.00	SIGNETICS	LM29	903(D)			
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	Comp. No.	Designat	ion			Stock No.	Manufacturer	Des	ignation	contair	ned In
	U9	BM SM4T17-2 MI MIXER	XER	3,4G		1085.2068.00	WATKINS-JO	WJ-S	M4T17		
	U11	BM JMS-2607 N	MIXE	R 350M		1085.1510.00	MINI-CIRCU	JMS-	2607		l l
	U12	MIXER MODULE BM JMS-2607 N MIXER MODULE	ħΙΧΕ	R 350M		1085.1510.00	MINI-CIRCU	JMS-	2607		
	V1			1A TRAN		1085.1755.00	PHILIPS_SE	BSP3	11		
	V2		VO	1A TRAN		1085.1755.00	PHILIPS_SE	BSP3	31		
	V3	MEDIUM POWER TO AE BAR64-04 CA	1	2X PIN		1039.1327.00	SIEMENS	BARE	3404 (Q62702-A101		
	V4	SILICON PIN DIC AE BAR64-04 CA	4	2X PIN		1039.1327.00	SIEMENS	BAR	3404 (Q62702-A101		
	V5	SILICON PIN DIO		IQU OUG	ΑD	0911.0092.00	VALVO	BAVS	9		
	v6	HIGH-SPEED DOUB		DIODE 1A TRAN		1085.1755.00	PHILIPS_SE	BSP3	31		
Ì	V7	MEDIUM POWER TF AE BZV55/C4V7			ΑE	0006.9822.00			55B4V7		
	v8	ZENER DIODE AE BAR64-04 CA		2X PIN				BARE	5404 (Q62702-A101	Market ber	
	v9	SILICON PIN DIO AE BAR64-04 CA	DE	2X PIN		1039.1327.00			5404 (Q62702-A101		
		SILICON PIN DIO	DE	-	4 E	0006,9822,00			55B4V7		
ı	V10	AE BZV55/C4V7 ZENER DIODE									
	V11	HIGH-SPEED DOUB	BLE	DUO UDI		0911.0092.00		BAVS			
	V12	AK BSR18A P TRANSISTOR				0007.2073.00					
	V13	TRANSISTOR				0007.2073.00					
	V14	TRANSISTOR				0007.7975.00		BC86			
	V15	AK BC860B P TRANSISTOR	45V	200MA	AK	0007.7975.00	MOTOROLA	BC86	SOB		
	V16	AD BAV99 THIGH-SPEED DOUB		DUO UDI	AD	0911.0092.00	VALVO	BAVS	9		
wir uns alle Rechte vor	V17	AD BAV99 THIGH-SPEED DOUB			AD	0911.0092.00	VALVO	BAVS	9		
B Rec	V18	AE BZV55/C4V7 ZENER DIODE			ΑE	0006.9822.00	PHILIPS	BZVS	55B4V7		
ns alle	V19 22		45V	200MA	AK	0007.7975.00	MOTOROLA	BC86	60B		
wir un	V23			DUO UDI	ΑD	0911.0092.00	VALVO	BAVS	9		
	V24		75V	DUO UDI	AD	0911.0092.00	VALVO	BAVS	99		
l	V25	AE HSMS2825 1-	+1 S	CHOTTKY		1010.6214.00	HEWLETT_PA	HSMS	52825 L31		
l	V26		75V	IGU OUD	ΑD	0911.0092.00	VALVO	BAVS	9		
ı	V27	HIGH-SPEED DOUB AE BZV55/C7V5		5W ZDI	ΑE	0007.3428.00	PHILIPS_SE	BZVS	55B7V5		
	V28	ZENER DIODE AE BAT15-03W	S	СНОТТКҮ		1085.1526.00	SIEMENS	BAT	15-03W (-A1104)		İ
	32 V33	SCHOTTKY DIODE AK BC850B N	45V	200MA	AK	0007.7969.00	VALVO	BC85	бов		
	V34	TRANSISTOR AE BAT15-03W	S	CHOTTKY		1085.1526.00	SIEMENS	BAT	15-03W (-A1104)		
ļ	36 V37		45V	/ 200MA	AK	0007.7975.00	MOTOROLA	BC86	60B		
	43 V44			DUO UDI	AD	0911.0092.00	VALVO	BAVS	99		
	V45	HIGH-SPEED DOUI AE BAT15-03W		DIODE CHOTTKY		1085.1526.00	SIEMENS	BAT	15-03W (-A1104)		
	48 V49	SCHOTTKY DIODE AE BZV55/C6V8	0.	5W ZDI	AE	0006.9868.00		BZV	55/B6V8		l
	V50	ZENER DIODE AE BAR64-04 C		2X PIN		1039.1327.00			6404 (Q62702-A101		
ı	V51	SILICON PIN DIO AE BZV55/C6V8	3DC	5W ZDI	ΑE	0006.9868.00			55/B6V8		
	V52	ZENER DIODE AE BAR64-04 C		2X PIN		1039.1327.00			6404 (Q62702-A101		
	V52	SILICON PIN DI	ODE	2X PIN		1039.1327.00			6404 (Q62702-A101		Ì
	V53	SILICON PIN DI		27 111		1009.1027.00	Stemens	DAIN	5404 (402702 A103		:
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٦	Comp. No.	Designation			Stock No.	Manufacturer	Dø	signation		contal	ned in
١	V101	AD BAV99 75V	DUO UDI	AD	0911.0092.00	VALVO	BAV	99			
	V102	HIGH-SPEED DOUBLE (AM SHFO186K 9' O.5-4GHZ GAAS FET	V GAASF		1085.1655.00	STANFORD_M	SHF	-0186K	4230TR		
	V103	AM SHFO186K 9	V GAASF		1085.1655.00	STANFORD_M	SHF	-0186K	4230TR		
	V104	O.5-4GHZ GAAS FET AM SHFO189 12' O.5-3.3GHZ GAAS FE	V GAASF		1085.2351.00	STANFORD_M	SHF	-0189-	TR1		
I	V105	AE HSMS2825 1+1 SO SCHOTTKY DIODE PAIN	CHOTTKY		1010.6214.00	HEWLETT_PA	HSM:	S2825	L31		:
ŀ	V106	AE BAT62-O3W 1X SO			0856.7095.00	SIEMENS	BAT	62-03W			
ı	V107	AE BAT62-03W 1X SO	СНОТТКҮ		0856.7095.00	SIEMENS	BAT	52-03W			
	V108	AE BAR63-03W PIN DIODE	PIN		1051.4851.00	SIEMENS	BAR	63-03W	(-A1025)		:
ı	V109	AE HSMS2825 1+1 SC SCHOTTKY DIODE PAIR			1010.6214.00	HEWLETT_PA	HSM:	52825	L31		
ı	V110	AE BAR63-03W PIN DIODE	PIN		1051.4851.00	SIEMENS	BAR	63-03W	(-A1025)		
	V111	AK BFG540/X NPN 151 9 GHZ WIDEBAND TRAI			1062.6496.00	PHILIPS	BFG!	540/X			
ı	V112			AK	0007.7975.00	MOTOROLA	BC8	БОВ			
	V113			AD	0911.0092.00	VALVO	BAV	99	:		•
	V114		וסט סטכ	AD	0911.0092.00	VALVO	BAV	99			
ı	V115	AK BC860B P 45V TRANSISTOR		AK	0007.7975.00	MOTOROLA	BC8	50B			
	V118	AE BAR64-04 CA SILICON PIN DIODE	2X PIN		1039.1327.00	SIEMENS	BAR	3404 ((Q62702-A101		
	V119	AD BAV99 75V I HIGH-SPEED DOUBLE I		AD	0911.0092.00	VALVO	BAV	99			
	V120	AK BCP68-16 N 20V MEDIUM POWER TRANS:			0008.2019.00	PHILIPS	BCP	8-25			
	V121	AK BSR13 N 30V TRANSISTOR		AK	0007.2209.00	VALVO	BSR	13			
	V122 130	AE BB535 18,7/2,11 TUNING DIODE			1039.3107.00	SIEMENS	BB5	35/Q62 [.]	702-B5 8 0		
	V131	ZENER DIODE			0006.9839.00		BZV	55B5V1	(GEG)		
ı	V132	HIGH-SPEED DOUBLE !	DIODE		0911.0092.00		BAVS				
١	V133	AE BZV55/C7V5 O,! ZENER DIODE			0007.3428.00		BZV:	55 B7 V5			
	V134	TRANSISTOR			0007.2209.00		BSR				
l	V135	ZENER DIODE			0006.9839.00				(GEG)		
	V136 138	TRANSISTOR			0007.2209.00		BSR				
	V139	TRANSISTOR	_/		0007.2073.00	_		·	R18A)		
	V140	HIGH-SPEED DOUBLE I	DIODE		0911.0092.00		BAVS				
	V141	TRANSISTOR			0007.2073.00				R18A)		
	V142	TRANSISTOR			0007.7969.00		BC85				
	V143	ZENER DIODE			0006.9839.00	_					
	V144	O.5-4GHZ GAAS FET	V GAASF		1085.1655.00	_					
	V145 148	AK BFP450 NPN 4,5V RF-TRANSISTOR NPN			4048.1483.00			150 (-F	- 1590)		
	V149	TRANSISTOR			0007.7975.00		BC86		2104)		
	V150	TRANSISTOR			0007.2073.00				KIBA)		
	V151	JUNCTION FET	5V JFET 200MA		6007.3949.00		SST		2104)		
	V152 V153	TRANSISTOR			0007.2073.00			18 (BS) 55B6V2	VIOH)		
	V153	ZENER DIODE AK BFP450 NPN 4,5V			4048.1483.00			450 (-1	- 1590)		
		RF-TRANSISTOR NPN									
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	V155	· · · · · · · · · · · · · · · · · · ·	V :	200MA	ΑK	0007.7969.00	VALVO	BC850	В			
	V156		SCI	HOTTKY		0856.7095.00	SIEMENS	BAT62	-03W			1
	V157	DIODE AE BAT62-03W 1X	SCI	HOTTKY		0856.7095.00	SIEMENS	BAT62	-03W			
	V158	DIODE AK BSR18A P 40	V :	200MA	AK	0007.2073.00	PHILIPS_SE	BSR18	(BSR	18A)		
	V159	TRANSISTOR)V	200MA	AK	0007.2073.00	PHILIPS_SE	BSR18	(BSR	18A)		
	V160	TRANSISTOR AE HSMS2825 1+1				1010.6214.00	HEWLETT_PA	HSMS2	825	L31		
		SCHOTTKY DIODE PA	ΙR	800MA	ΔK	0007.2209.00		BSR 1				
١	V161	TRANSISTOR		800MA		0007.2209.00		BSR 1	3			
	V162	TRANSISTOR				0007.2073.00		BSR18	BSF	R18A)		
	V163	TRANSISTOR		200MA	1	0007.2073.00	!			i		
	V164	TRANSISTOR		200MA	ļ			BAV99		,		
	V165	HIGH-SPEED DOUBLE	E D	UO UDI IODE	AD	0911.0092.00	1			ور		
	V166	AE BZX284-B3V3 (ZENER DIODE				0048.3474.00						
	V167	AK BCP68-16 N 20 MEDIUM POWER TRAI	OV NS I	TRANS STOR		0008.2019.00		BCP68				:
	V168	AE HSMS2825 1+1 SCHOTTKY DIODE PA	SC	HOTTKY		1010.6214.00						
	V169	AE HSMS2825 1+1 SCHOTTKY DIODE PA	SC	HOTTKY		1010.6214.00	HEWLETT_PA			İ		
	V170	AE BAR63-03W	~ 11	PIN		1051.4851.00	SIEMENS	BAR63	3-03W	(-A1025)		
	V171	PIN DIODE AE BAR63-03W		PIN		1051.4851.00	SIEMENS	BAR63	3-03W	(-A1025)		
	V172	PIN DIODE AE HSMS2825 1+1	SC	HOTTKY		1010.6214.00	HEWLETT_PA	HSMS:	2825	L31		
	177 V178	SCHOTTKY DIODE P. AM SST108 N-D	A I F	R SV JFET		6007.3949.00	SILICONIX	SST10	8C			
i.	181 V182	JUNCTION FET BM AFOO2C1-39 G	AAS	SFETSWI		1085.2316.00	ALPHA_IND	AFOO:	2C1-3	9		
nte vor.	V183	GAAS IC CONTROL BM AFOO2C1-39 G	FE1 AAS	SFETSWI		1085.2316.00	ALPHA_IND	AFOO:	201-3	9		
alle Rechte	V184	GAAS IC CONTROL	FEI	SV JFET		6007.3949.00	SILICONIX	SST 10	80			
uns att	189 V190	JUNCTION FET BM AF002C1-39 G				1085.2316.00	ALPHA_IND	AF00	2C1-3	9		
wîr u	V191	GAAS IC CONTROL BM AFOO2C1-39 G	FE:	ſ		1085.2316.00			2C1-3	9		
		GAAS IC CONTROL	FE.			6007.3949.00		SST1	08	:		
	V192	JUNCTION FET		5V JFET		6007.3949.00						
	V193	JUNCTION FET		5W ZDI	\ A E	0006.9800.00						
	V194	ZENER DIODE				0000.9800.00 0007.3411.00						
	V195	AE BZV55/C2V7 ZENER DIODE	U,:	5W ZDI	At	_ 0007.3411.00	, , , , , , , , , , , , , , , , , , ,		J			
	X1_	FJ EINLOETBUCHSE	M	MCX SMD		1075.4045.00	SUHNER	82MM	CX-S5	0-0-51/1110		
	5 X6	CONNECTOR FP E-PRESS STIFT	LE	ISTE 2P		0048.4706.00						
	X7	CONNECTOR FP E-PRESS STIFT	LE	ISTE 2P		0048.4706.00						
	х8	CONNECTOR FP E-PRESS STIFT	TLE	ISTE 2P		0048.4706.00						
	11 X240	CONNECTOR FP STECKERLEISTE			F	P 0008.5718.00	DEUT_ELCO	16 8	457 (064 002 027		
	X241	CONNECTOR 32P. FJ EINLOETBUCHS				1085.1532.00			CXS50	0-0-2/111KG		
	246 X247	CONNECTOR FJ EINLOETBUCHSE				1085.1726.0		82SN	MA-S-5	50-0-45/111N		
	X248	CONNECTOR FJ EINLOETBUCHS				1085.1532.0		82MN	nCXS50	0-0-2/111KG		
		CONNECTOR FJ EINLOETBUCHSI				1085.1726.0				50-0-45/111N		
	X249	CONNECTOR	_ 3	WID.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
	Z1	LD T-FILTER 3,	3NF	SMD		1039.1362.0	OMURATA	NFM	51R20	T332T1		
	3	SMD-FILTER										
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1	Comp. No.	.,	Designat	ion	-	Stock No.	Manufacturer	Designation	containe	id in
	Z4	LD T-FI	LTER 33F	F	SMD	1062.6744.00	MURATA	NFM61ROOT330		
	Z5	LD T-FI	ILTER 33 LTER 33F	PF	SMD	1062.6744.00	MURATA	NFM61ROOT330		
l	Z 6	LD T-FI	ILTER 33 LTER 100		SMD	1039.1356.00	MURATA	NFM61ROOT101T1		
	18 Z19	SMD-FIL LD PI-F	TER ILTER 2	2X 1 NF	SMD	4024.7152.00	TUSONIX	4700-003		
	23 Z24	SMD-CER	AMIC-PI- LTER 33P	-FILT	ER SMD	1062.6744.00		NFM61ROOT330		
۱	224	SMD-T-F	ILTER 33	PF	5,110	1002.0744.00	MORATA	14. WO 11.00 1000		
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XY-Liste

XY List

Erklärung der Spaltenbezeichnungen:

el. Kennz. Bauelement-Kennzeichen

Seite Leiterplatten-Seite, auf der sich das

Bauelement befindet

X/Y Koordinaten (in Millimeter) des Bauelementes auf der

Leiterplatte bezogen auf den Nullpunkt

Planq., Bl. Planquadrat und Seite des Schaltbildes

für das jeweilige Bauelement

Explanation of column designations:

Part Identification of instrument part

Side Side of the PC board on which instrument part is

positioned

X/Y Coordinates (in units of millimeters) of the component

on the PC board in reference to zero point

Sqr, Pg Square and page of the diagram for

the respective instrument part

			,

Service-Relevante Bauteile / Service-Relevant Components

al Vacat			100	Plano		el. Kenr		J	1	Planq.		el. Kenr	z. Seite	100	T	Planq.	BI.
el. Kennz. Parl	Seite		Y	Sqr	Pg	Part	Side		Y	Sqr	Pg	Part	Side	·	Y	Sar	Pg
P1	В	206	46	11D	3	P20 P21	B B	154 84	132 32	6C 10B	10 9	P40 P41	B B	35 60	18 43	6C 4C	9
⊃2 ⊃3	B 8	206 206	44	11D 11E	3	P22	В	77	17	10D	9	P42	В	158	105	6D	10
25	В	96	37	5D	3 3	P23 P24	B B	173 182	97 89	7C 6D	5 5	P43 P44	B B	44 51	126 49	5A 4F	10 16
6 7	B B	125 150	90 37	5D 5D	3	P25	В	91	95	11C	22	P45 R51	B B	54 147	48 41	5E 7C	16 21
8 9	B B	99 131	37 68	5D 11A	3 3	P26 P29	B B	91 203	92 97	10A 4B	22 5	R124	В	168	72	6B	6
10	В	138	37	8C	21	P32 P33	B B	85 221	63 72	4B 7D	10 12	R125 R516	B	286 182	63 91	7C 2C	19
11 12	В	164 177	35 44	6B 3B	21 21	P35	В	75	63	5A	9	R683 R929	B B	30 134	140 143	8B 5C	14
113 114	B B	156 190	83 40	11C 4A	21 6	P36 P37	B B	85 60	44 40	5C 6A	9	R930	В	51	84	6A	16
218 219	B B	29 27	68 60	5C 6C	15 15	P38 P39	ВВ	42 35	16 21	6B 6C	9 9	R968	В	220	129	5C	20
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31 201 22 23 24 25 26 27	B A				n-1	1000	Side	Х	Y	Sar	Pg		Part	Side	X	Y	Sar	Pg.
01 02 03 04 05 06 07	Α	1 4 E/	125	Sqr 9B	<i>Pg</i> 12	Part C74	В	134	43	1F	3	ŀ	C148	Α	25	77	6F	15
03 04 05 06 07	La i	150 102	130	6A	5	C75	В	135	69	7E	4		C149	B A	224 275	82 135	9E 8C	20 18
:4 :5 :6 :7	A	89	132	6B	5	C76 C77	A	125 127	53 74	8E 5E	4		C150 C151	A	230	22	2B	17
5 6 7	B	76 77	93 75	3C 2C	8	C78	Â	138	61	8C	21		C152	Α	297	115	3C	19
6 7	Ā	181	57	3B	21	C79	Α	140	71	9B	21		C153	A	294	98 102	3F 3E	19 19
	В	71	128	9B	13	C80	A	173 173	65 61	5E 6E	21 21		C154 C155	A	280 282	79	4E	19
Ö	В	63	130	10B 9E	13 13	C81 C82	A	179	72	5F	21		C156	A	294	78	4F	19
9	B B	71 63	105	10D	13	C83	A	141	53	8E	21		C157	Ą	223	57	5E	3
10	В	19	38	9C	15	C84	Α	152	45	9E	21		C158	A B	201	77 79	6F 3E	3
:11	В	19	31	10B	15	C85 C86	A B	125 263	92 107	11E 3D	21 18		C159 C160	В	61	57	5B	7
12	A	12 12	71 97	8A 9A	11	C87	B	175	51	7E	6	li	C161	В	279	92	3B	19
:13 :14	A	20	45	7B	11	C88	В	163	37	7F	6	Ц	C162	A	275	77	6E	19
15	В	43	75	5B	16	C89	В	182	74	4C	6		C163 C164	ВВ	299 276	67 70	7D 5B	19 19
16	A	249	71	5E	22	C90 C91	B	19 26	34 28	10C 10D	15 15		C165	В	283	49	7A	19
17	ВВ	161 152	135	7B 8A	12 12	C92	l B	46	25	11D	7		C166	Ā	243	83	7A	17
18 19	В	289	137	9E	18	C93	Α	82	130	8E	10		C167	A	240	59	5B	17
20	В	289	135	9D	18	C94	A	96	74	9E	10		C168 C169	B B	288	132	10E 3E	18
21	A	205	48	10D	3	C95 C96	A	114 151	75 134	9E 10E	10		C170	В	77	57	4E	7
22	В	189	52 133	4A 5B	6	C97	A	140	133	10E	10	1	C171	В	65	63	5E	7
23 24	B	110	127	6A	13	C98	Α	23	91	5E	11		C172	В	82	41	5F 6F	7 7
25	В	77	110	9D	13	C99	A	126	138	3E 1E	10		C173 C174	ВВ	71 67	52 47	4E	7
26	В	77	133	9B	13 13	C100 C101	A	75 59	32	1E	11	ı	C175	A	140	50	8C	21
27 28	B	77 110	104	9A 6D	13	C102	B	11	87	4D	11		C176	В	170	80	7B	6
29	В	111	110	5D	13	C103	В	15	64	4F	11		C177	B	79	127	5C 3E	5
30	В	77	119	9D	13	C104	A	20	48 29	6E 2E	11	l	C178 C180	B	121	107	11B	14
231	A	35	103	3E 7B	15 15	C105 C106	A	11	49	5E	11		C181	B	74	67	4C	7
)32)33	B	17 29	76	5C	15	C107	В	293	23	10B	19		C182	В	61	59	6B	7
34	В	11	50	7B	15	C108	A	148	83	7B	21	ı	C183	B	73 79	37	6C 4D	7 7
235	В	88	139	4B	8	C109 C110	A	127	68 88	3£ 6E	15	1	C184 C185	A	16	82	8A	11
036 037	B	88	116 92	11C 10A	8	C111	A	38	55	3A	16		C186	Α	25	98	9A	11
338	A	267	104	2B	18	C112	Α	47	82	6E	16	ı	C187	В	13	96	10B	11
239	В	44	85	7B	16	C113	A	47	49 67	6E 7E	16 16	l	C188 C189	A	264 75	55 40	11D 5C	9
240	B	49	53	2B	16	C114 C115	A	50	92	6E	16	l	C190	A	81	57	5B) ğ
C41 C42	ВВ	37 170	66 115	3A 5B	16	C116	A	43	58	7E	16		C191	Α	44	74	9A	16
C43	B	168	124	6B	12	C117	Α	38	72	8E	16	ı	C192	A	266	60	3A	22
C44	В	182	104	5A	12	C118 C119	A	148	97 83	7B 8F	21		C193 C194	A	240 283	94 69	4C 5F	19
C45	В	155	109	6A 7A	12 12	C120	B	190	90	1E	5	ı	C195	A	257	64	11E	22
C46 C47	В	38	78	90	16	C121	В	177	96	1E	5	ı	C196	Α	265	93	10D	22
C48	В	242	93	10B	17	C122	A	169	18	2F	3	ļ	C197	A	260 259	83 93	10E 9D	22
C49	A	227	106	11E	12	C123 C124	A	106	84 54	3A 3C	9	١	C198 C199	В	276	89	3B	19
C50 C51	B	189 205	117	4B 5A	12 20	C125	A	179	95	2Ë	5	ı	C200	В	197	131	3C	20
O52	A	245	107	10B	17	C126	A	243	78	8D	22		C201	A	93	91	10B	19
C53	Α	62	118	9E	10	C127 C128	A	259 191	75 90	8D 2E	22 5	۱	C202 C203	ВВ	292 232	89 127	5C 9B	20
054	A	220 259	111 135	6D 10A	20	C129	Â	226	118	5D	20	ı	G204	В	238	137	10B	20
C55 C56	Â	13	82	4E	11	C130	Α	190	111	5A	12		C205	A	277	82	4D	19
C57	В	240	130	9B	20	C131	A	169	130	7A 6A	12	1	C206 C207	B	290 290	96 94	2D 2C	19
C58	Α	236	126	9C	20	C132 C133	A	221 218	139	6A	20	ı	C208	В	278	133	8E	18
C59 C60	A B	15 278	91 100	5E 2A	11 19	C134	A	227	99	10E	12	İ	C209	В	245	37	4E	17
C61	В	279	86	4C	19	C135	Α	233	142	7A	20	ı	C210	A	114	94	10B	22
C62	Α	16	40	5E	11	C136	B	232	105	7D 8D	20 20		C211 C212	B	227	102	7E	19
C63	В	279	106	1B	19	C137 C138	B	223 224	131	8A	20		C213	Â	143	73	10C	2
C64 C65	B	138	40 51	10B 4D	17	C139	Â	22	57	5E	11		C214	В	261	30	3C	17
C66	A	20	57	5E	11	C140	В	207	98	4C	5	Ì	C215	В	163	50	8B	1:
C67	Α	155	72	8E	21	C141	AB	203	141	4A 6D	20 18	1	C216 C217	B	28	41 38	8C 8C	1:
C68	В	277	80	4A	19	C142 C143	B	279	131	8C	18	١	C218	A	73	94	90	8
C69 C70	B	277 279	60	6A 6C	19	C144	B	230	97	7E	20		C219	A	72	75	8C	8
C71	A	23	68	4E	11	C145	В	288	130	10D	18	1	C220	A	102 61	67 58	2C 3B	11
C72	В	292	50	9B	19	C146	B	301 293	140	9C 5C	18		C221 C222	A	110	68	2D	1
C73	Α	275	39	11D	19	C147		233	104	30	10	1						
Æ.				Ве	enennu		MO.	DULAT	OR				Sprache:		Blatt:		Aei:	
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Тур: <i>Туре:</i> S	MIO		Datur Date:	n: 99–()5–17	, Abteilu Dot:	ing: 1	GPK		lame: <i>lame:</i> 1	HO		P	art No	<u></u> 108	4.98	00.01	<u>X</u>

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Nict	ht-	Serv	ice-	-Rel	Relevante Bauteile /					Plano, Bl., el. Ke				it Co			
el. Kennz.	1	x	Y	Planq.			}	Х	Υ	Planq.	BI.	el. Kenn Part	z. Seite	1 X	Y	Planq.	BI.
Part C223	Side A	61	46	Sqr 3C	<i>Pg</i>	Part C297	Side A	23	131	Sqr 1E	<i>Pg</i> 14	C371	A	281	65	5E	19
C224	Â	105	135	2E	10	C298	Α	82	119	6D	13	C372	В	99	110	6E	13
C225	Α	123	115	3A	10	C299	A	14	126	1E	14	C373	B	172 277	45 94	9C 3B	19
C226	A	117	108	2A	10	C300	A	14 25	33 39	8C 8D	11	C374 C375	B	68	128	10B	13
C227 C228	B	200 207	133 132	4B 5B	20 20	C301 C302	A	37	90	7D	16	C376	В	68	105	10D	13
0220 0229	Ā	218	81	8D	12	C303	A	35	53	5E	16	C377	В	19	35	9B	15
C230	Â	231	85	9D	12	C304	Α	217	94	9D	12	C378	В	157	135	7B	12
0231	В	233	130	9C	20	C305	В	221	120	6F	20	C379	В	210	136	5B	20
232	A	291	58	5E	19	C306	В	222	139	6C	20	C380	A	140	95	10A 10A	21
2233	A	290	70	5E	19	C307	A	129 115	68 138	3C 4B	9 13	C381 C382	A	241	19	2C	17
C234 C235	B	283 154	118 51	12E 6F	18	C308 C309	B	137	133	2B	13	C383	lâ	253	49	6C	17
236	A B	250	51	5C	17	C310	В	115	115	4E	13	C384	В	278	74	5B	19
237	В	228	55	6F	12	C311	B	119	111	4E	13	C385	В	278	54	7A	19
238	В	222	111	6E	20	C312	В	140	110	2E	13	C386	В	179	79	5B	6
239	В	225	112	5E	20	C313	В	119	134	4B	13	C387	A	47	58	3F	16
240	В	194	47	3A	6	C314	В	21	48	8B	15	C388	В	254	63	7C	17
241	Α	28	87	5D	15	C315	В	20	63	6B	15	C389	A	170 42	55 40	5B 7E	21 15
242	В	11	115	11B	14	C316	A	52 81	117 82	4E 9A	14 8	C390 C391	B	191	49	5F	6
243	A	205 274	98	5C 8D	5 18	C317 C318	В	86	84	3A	8	C392	l Ă	114	79	1E	9
244 245	ВВ	247	135 59	6C	17	C319	В	36	48	1B	16	C393	Â	51	71	10B	16
245	A	162	90	6D	5	C320	A	190	143	3C	20	C394	В	262	81	9D	17
247	B	229	134	8B	20	C321	В	44	62	3B	16	C395	A	105	97	11E	22
248	В	231	139	7B	20	C322	В	175	110	5B	12	C396	Α	243	70	6A	17
249	Α	248	37	4E	17	C323	В	209	110	3B	12	C397	В	223	101	7E	20
250	Α	243	40	5E	17	C324	В	163	115	6B	12	C398	В	185	97	3B	12
251	A	239	46	6E	17	C325	В	222	41	3D	12	C399	A	219	75 26	3E 3A	17
252	B	216	144	6B	20 20	C326 C327	B	192 195	131	4D 4B	20 12	C400 C401	A	219	96	4F	12
253	B	221	141	68 5E	12	C328	B	228	92	8E	20	C402	Â	228	78	3F	12
254 255	В	229	141	6B	20	C329	A	54	88	8A	16	C403	lÃ	191	43	10E	3
256	Ā	262	110	2A	18	C330	В	205	132	5B	20	C404	A	170	38	6B	21
257	A	264	113	7B	18	C331	В	230	79	9E	20	C405	В	66	128	10B	13
258	В	200	128	5C	20	C332	B	108	24	10C	5	C406	В	66	105	10E	13
259	В	267	117	2F	18	C333	В	258	120	3E	18	C407	В	155	135	8B	12
260	В	267	115	1F	18	C334	Α	108	88	10D	22	C408	A	278	91	6D	19
261	В	277	116	4D	18	C335	B	261	37	3C	17	C409	Į A	300	71	4D	19
262	В	277	114	4D	18	C336	B	240	66	7C	17	C410	A	150	40	8D 1D	19
263	A	261	65	2B	22	C337	B B	258	69	3D 7C	17 17	C411 C412	A	300 124	98 67	3A	9
264 265	B	30	114	1C 1C	15 15	C338 C339	В	252 241	72	8C	17	C413	Â	47	64	3E	16
266	B	79	27	2A	11	C340	В	252	75	8C	17	C414	Â	48	97	3D	16
267	В	55	20	3B	111	C341	B	240	78	8C	17	C415	В	205	104	ЗА	12
268	A	84	18	4C	11	C342	B	248	82	9C	17	C416	В	215	135	5C	20
269	A	204	129	2D	20	C343	В	249	108	11C	17	C417	Α	200	68	10E	3
270	В	109	142	5B	13	C344	В	230	76	9E	20	C418	A	196	58	10D	3
271	Α	21	126	11E	14	C345	В	250	34	3D	17	C419	A	254	105	1B	18
272	В	127	129	3C	13	C346	B	251	37	4C	17	C420	В	185	132	2B 3C	20
2273	В	128	140	3B	13	C347	B	248	50	5C 6C	17 17	C421 C422	B	194 220	133	7E	120
274	В	119	139	3C 5E	13 13	C348 C349	BB	248 252	60	7C	17	C423	В	224	70	70	12
0275 0276	ВВ	109 119	119	3B	13	C350	A	107	62	2E	9	C424	Ā	285	52	10E	15
276 2277	В	127	106	3E	13	C351	A	197	66	9E	3	C425	l A	138	81	11B	2
278	В	119	116	3E	13	C352	A	221	68	8A	3	C426	В	172	73	7B	6
279	В	119	104	3D	13	C353	A	222	51	8C	3	C427	В	100	127	6B	13
280	8	128	117	3D	13	C354	Α	189	62	10D	3	C428	В	90	126	78	13
2281	Α	38	120	6E	14	C355	Α	256	111	3A	18	C429	В	100	104	6E	13
282	В	22	129	7B	14	C356	A	113	38	4E	3	C430	В	14	29	10B	15
283	В	40	51	2B	16	C357	A	190	75	8E	3	C431	A	114	117	4A 6B	10
2284	В	171	106	68	12	C358	A	173	53	3E 3F	21 21	C432 C433	B	147	82 135	9A	111
285	B	159	116	7B	12	C359 C360	A	176 55	47 22	5E	9	C433	В	227	42	5D	1:
286	B	192 222	107 51	4B 6D	12	C360	Â	43	29	4E	9	C435	A	226	75	8D	1
287 288	B	229	61	6D	12	C362	B	195	95	40	5	C436	A	224	86	8E	1:
)288)289	В	177	129	2C	20	C363	В	168	93	1B	5	C437	A	219	92	9C	1:
2299	В	194	144	3B	20	C364	Ā	255	130	11C	20	C438	В	208	114	3B	1:
C291	В	287	137	9D	18	C365	В	63	128	10B	13	C439	В	195	109	3B	12
292	A	101	52	5F	4	C366	В	63	105	10D	13	C440	В	224	75	10E	20
C293	Α	107	51	7F	4	C367	В	20	31	10B	15	C441	В	236	142	11B	2
C294	В	201	49	2C	6	C368	В	17	28	10B	15	C442	A	289	142	9C	12
C295	A	84	142	6A	13	C369	В	152	135	8B 9D	12	C443 C444	A B	235	138 128	10C	1
	В	21	123	7B	14	C370	В	262	00	30	1 1/		5	204	,,,,,	1,10	<u> </u>
	1					EE :0	MODE	N. A.T	OP			Sprache:		Blatt:		A a :-	
C296				Be	nennun	q: EE IQ-	7VIOL	JULAI	UN.							Aei:	
C296)E 8	SCH	IWAR	l Da	nennun signatio	9			υn			Lana:	de	Ch.	3+	C1.	8.1
C296		SCH	WAR	z	signatio	<u> </u>	DUL		1.	ame: lame: H		Lang.:	·	Sh.:		C1.	8.1

Nich	t-S	Serv	ice-	Rele	evan	te Bau	ıtei	e / I	Von-	-Ser	vice) —	Relev	<u>ran</u>	t Co	IIIPC	Disease	51
. Kennz.		X	Y	Pianq.	BI.	el. Kennz	Seite	Х	Υ	Planq.	ы.	161	. Kennz. j	Seite Side	x	Y	Planq.	BI. Pg
art :	Side			Sqr	Pg	Part	Side	257	75	Sqr 6F	<i>Pg</i> 22		593	В	248	94		17
445	- 1	281	103	2B 6A	19 15	C519 C520	A B	183	44	6E	6	Ţā	594	В	177	110	5B	12
446 447	B A	15 242	84 88	6D	22	C521	В	196	81	6F	6	1	595	В	231	58 139	6F 10C	12 20
448	В	61	128	10B	13	C522	В	163	82	7E	6 21		596 597	B B	234 63	76	2B	8
149	В	61	105	10E	13	C523 C524	A	154 154	55 53	6E 7E	21		598	В	290	134	9E	18
450	B	19	29 137	10C 8B	15 12	C524	Â	162	51	9E	21		599	Α	255	28	8B	19
451 452	B B	150 181	141	1B	20	C526	Α	171	43	10E	21		600	A	266 281	31 112	10C 8E	19 19
453	B	284	54	8B	19	C527	Α	128	108	11E	10 10		601 602	A	286	111	7E	19
454	В	284	137	9E	18	C528	A	117 292	112 45	11E 10D	19	1 1	603	A	275	113	8F	19
455	A	133	75	11B 3A	21 6	C529 C530	A	147	93	8B	21		604	В	286	66	7C	19
456 457	ВВ	189 44	41 143	8E	14	C531	Α	110	91	2B	9		605	Α	188	76	6F 4B	3 21
458	В	100	135	6B	13	C532	A	110	61	2D	9	•	2606 2607	A	178 164	79 79	4C	21
459	В	134	130	2C	13	C533	B	259 259	117	2E 1E	18 18		2608	Â	180	134	3C	20
460	В	74	128	9B 9E	13	C534 C535	A	278	48	1E	19		2609	В	231	129	8B	20
461 462	B B	74 90	105	7E	13	C536	A	287	41	2F	19		2610	В	24	134	9C	14 15
463	В	100	112	6E	13	C537	Α	288	30	2F	19		2611	B	26	88	3C 2C	15
464	В	138	107	2E	13	C538	A	275	33	1E 3F	19 19		0612 0613	В	28	112	2C	15
465	Α	42	120	4E	14	C539	A	281 295	26 22	2E	19		2614	В	15	138	9C	14
466	A	28	137	2E 8B	14	C540 C541	Â	125	38	2E	3	(2615	В	47	30	11B	7
:467 :468	B B	19	62	6C	15	C542	Α	273	19	9E	19		C616	В	25	81	4C 2B	15 7
469	A	36	141	2E	14	C543	В	247	106	11C	17		C617 C618	BB	55 56	26	2B	7
470	Α	135	116	5E	10	C544 C545	B	297	49 26	10B 10C	19 19		C619	B	65	24	2D	7
471	A	135	131	5D 6D	10	C546	Â	277	32	11C	19		C620	В	68	33	2D	7
)472)473	A	156 156	127	5C	10	C547	В	286	30	8C	19		C621	A	277	50	10D 4C	19 14
474	Â	59	26	2B	11	C548	B	242	106	110	17		C622	B	46 266	112	7E	18
475	Α	66	36	3C	11	C549	В	286	29	9C 5B	19		C623 C624	В	43	110	4C	14
2476	A	77	34	9A 9D	9 9	C550 C551	B	70	114	9B	17		C625	Ā	178	128	3C	20
C477 C478	A	71 179	20 93	5D	5	C552	B	300	133	10E	18	11	C626	В	36	124	5C	14
2479	B	190	94	3C	5	C553	В	87	139	4C	8		C627	В	38	108	5C 10C	14
C480	В	195	21	10D	5	C554	B	87	116	11C 4D	8 18	H	C628 C629	ВВ	22	131	10C	14
C481	A	250	81	5E 8B	22 19	C555 C556	ВВВ	281 84	113	5C	7		C630	В	19	103	3C	15
C482 C483	В	290 191	57 95	6C	5	C557	В	281	115	4D	18		C631	В	27	134	8B	14
C484	В	162	133	7B	12	C558	В	257	112	2C	18	11	C632	B	17	81 118	5B 1C	15
C485	В	192	130	3C	20	C559	B	282	110	4C 2C	18		C633 C634	В	28	131	7B	14
C486	В	297	134	9B 8C	19 20	C560 C561	BB	19	104	2B	15	П	C635	В	73	43	5C	7
C487 C488	B	226 284	25	90	19	C562	B	19	109	2B	15		C636	В	63	47	5B	7 19
C489	В	203	138	5B	20	C563	Α	44	140	3E	14	ΙÌ	C637 C638	B	288	25 120	9C 9E	14
C490	В	217	114	6E	20	C564	A	53	129 107	3E 2C	14 15		C639	lÂ	34	117	5E	14
C491	B	246	41 144	4C 7B	17 20	C565 C566	BB	20	60	6B	15		C640	Α	23	134	2E	14
C492 C493	B	224	133	8B	20	C567	В	17	104	2B	15		C641	A	40	141	3E	14
C494	A	227	86	4E	12	C568	B	60	89	3B	19		C642 C643	A	53 16	131	9E	14
C495	Α	84	30	10B	9	C569	B	281 15	49	7B 3B	15		C644	Â	29	123	5D	14
C496	A	75 221	21 126	10D 5D	9 20	C570 C571	B	265	104	3D	18		C645	Α	78	64	5D	7
C497 C498	B	99	133	6B	13	C572	В	30	136	8B	14		C646	A	70	143	5A 9B	14
C499	В	149	130	9B	12	C573	В	23	74	5B 4E	15	1	C647 C648	B	25 35	120	5B	14
C500	В	224	44	5D	12	C574 C575	B	183	76 116	10E		1	C649	В	49	118	4B	14
C501	B	183	131 142	2B 10B	20 20	C576	Â	39	113	5E	14	1	C650	Α	27	129	10C	14
C502 C503	В	240	75	10E		C577	В	26	83	3C	15	1	C651	A	40	126	5C	14
C504	В	288	129	10D	18	C578	В	166	66	9E	4 16		C652 C653	B	15 29	128 82	10B 4C	1
C505	В	276	65	6B	19	C579	В	43 253	69	4B 3B	22		C654	A	229	52	5F	1:
C506	В	276	85	4B 11D	19	C580 C581	A	54	77	8C	16		C655	A	23	17	9C	1
C507 C508	AB	154 157	18	100		C582	В	1	73	3C	6		C656	A		37	8C	1 8
C509	B	235	136	10B	20	C583	В	1	97	2D			C657	A		90	9B 8B	18
C510	В	218	131	5C		C584	В	1	94 59	5D			C658 C659	A		133		1 !
C511	A	69	44	116		C585 C586	B		,	4			C660	A	83	106	3E	1
C512	A	79 138	51 85	11E	1	C587	A		i	11E	19	1	C661	A	103	2 5 6 6	5.34	1
C513 C514	B		23	1		C588	A	257	33				G662	A		112 98	4E 4B	1
C515	В	99	24	10E		C589	E		103				C663 C664	E		69	1B	
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N3	A	102	90	10C	22	N28	В	205	108	3B	12	R8	Α	169	125	7A	12
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N8	Α	143	76	10C	21	N35	Α	246	74	5E	22	R22	В	279	97	3A	19
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N9 N9	A	169	48	5B	21	N37	Â	44	117	4E	14	R25	A	133	69	4D	9
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N11	В	177	78 79	6B 6E	6	N40	A A	288 288	49 49	10D 1E	19 19	R30 R31	В	89 100	108	7E 3C	13
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N12	В	171	92	2B	5	N41	A	285	34	2E	19	R33	В	210	111	3B	12
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N13	Â	118	69	4E	9	N42	A	193	76	9E	3	R36	Α	264	116	7B	18
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N19 N19	A	73 73	33 33	1E 2B	11 11	P53 P54	B	232 253	91	11D 3C	12 17	R57 R58	В	151 136	28 41	2C 3C	3
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N21	Α	257	57	3A	22	P63	В	138	103	6E	10	R67	A	135	74	10A	21
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N23	Â	20	97	4E	11	P66	В	51	14	8B	9	R70	Α	136	87	11D	21
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N26	A	41	51	4E	16	R2	В	42	136	8E	14	R77	Α	187	109	5A	12
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R308	A	75	32	98	9	R382	В	217	139	6C	20	R456	Α	64	18	3A	11
R309	Α	75	36	9B	9	R383	В	30	44	10E	15	R457	A	29	51 90	10D 4B	11 5
R310	A	69	22	9D	9	R384 R385	A	205 23	136 41	4A 8C	20	R458 R459	B	202 166	18	2E	3
R311 R312	A	73 50	22 87	9D 7A	16	R386	В	170	96	2B	5	R460	Α	243	76	8D	22
R313	Â	38	86	7C	16	R387	Ā	187	108	6A	12	R461	Α	261	78	8D	22
R314	Α	174	95	5D	5	R388	В	222	35	2D	12	R462	A	251	51	3A	22
R315	В	192	91	3B	5	R389	В	222	39	3D	12	R463	A B	231 190	99	10D 2B	12 20
R316	A	242	92	6C	22	R390 R391	B	222 280	36 84	2D 4E	12 19	R464 R465	B	72	64	5B	7
R317 R318	A	191 219	88 90	6C 9D	5 12	R392	Â	218	116	6D	20	R466	Ā	240	127	8B	20
R319	A	193	92	2E	5	R393	A	42	19	70	9	R467	Α	287	28	2F	19
R320	Α	238	28	ЗА	17	R394	Α	294	76	4F	19	R468	Α	249	140	10A	20
R321	Α	291	25	10B	19	R395	A	293	100	3F	19	R469	В	84	47	5C	7 17
R322	Α	287	43	10D	19	R396	A	227 107	133	8A 11E	20 22	R470 R471	A B	250 293	106	4E 5C	18
R323 R324	A	238 230	61 20	7B 3B	17 17	R397 R398	A	104	87	3A	9	R472	В	242	136	10B	20
R325	Â	244	59	6B	17	R399	A	105	56	3C	9	R473	В	276	94	ЗА	19
R326	A	192	135	4C	20	R400	Α	112	82	2F	9	R474	В	280	91	3B	19
R327	В	123	36	3B	3	R401	В	278	130	8E	18	R475	Α	196	140	4A	20
R328	Α	153	21	2C	3	R402	В	194	88	1E	5	R476	A	142	48	7C 11A	10
R329	A	149	20	2D 2D	3	R403 R404	B	177 286	98	2E 1F	5 19	R477 R478	A A	100 192	141	3C	20
R330 R331	A B	120 118	28 36	3A	3	R405	Â	277	46	1E	19	R479	B	173	106	5B	12
R332	A	273	21	9E	19	R406	A	273	31	2E	19	R480	В	159	122	6B	12
R333	Α	22	31	3E	11	R407	В	75	55	5F	7	R481	В	159	120	7B	12
R334	В	192	37	2C	21	R408	В	224	141	7B	20	R482	В	188	107	4B	12
R335	A	194	26	1C	21	R409	A	239	97	4C 7D	22 10	R483 R484	B	190	107	4B 6E	12
R336 R337	A B	230 223	92 87	9D 9D	12 20	R410 R411	A	153 273	117 73	7E	19	R485	В	151	133	8B	12
R338	В	223	85	9D	20	R412	Â	230	29	3A	17	R486	В	227	64	6D	12
R339	Ā	257	134	9A	20	R413	Α	292	68	5E	19	R487	В	161	131	7B	12
R340	Α	255	138	9A	20	R414	В	162	50	9B	6	R488	В	158	131	7B	12
R341	В	244	72	8C	17	R415	A	251	69	6A	17	R489	B	63	53 128	5B 2C	20
R342	В	248 244	75 78	8C 8C	17 17	R416 R417	B	232 278	132	5E 8E	12 18	R490 R491	B	190 222	113	5D	20
R343 R344	A	279	39	11C	19	R417	В	61	65	6E	7	R492	Â	229	120	4D	20
R345	Â	275	37	110	19	R419	В	71	54	6F	7	R493	Α	251	140	10C	20
R346	Α	198	129	2C	20	R420	Α	84	38	5C	9	R494	В	227	59	6E	12
R347	Α	234	126	9B	20	R421	Α	84	61	5A	9	R495	В	222	56	6E	12
R348	A	182	79	8C	3	R422	A	44	92	7B	16	R496	A	194	133 129	3C 9C	20
R349 R350	B	64	33	2D 2D	7	R423 R424	A	129 143	28 35	2B 3C	3	R497 R498	Â	233	138	9C	20
R351	В	159	118	7B	12	R425	Â	146	28	2C	3	R499	A	231	101	10D	12
R352	A	39	37	7A	9	R426	A	150	35	3D	3	R500	A	243	140	10C	20
R353	Α	72	59	5E	7	R427	В	113	36	3D	3	R501	A	35	39	7A	9
R354	В	230	131	8C	20	R428	Į A	124	28	2A	3	R502	A	39	16	7C	9
R355	Α	250	136 96	11C 9A	20 22	R429 R430	A	141	28	2B 4A	3 12	R503 R504	A	37	31 26	7B 7B	9
R356 R357	В	95 229	139	7B	20	R431	A	261	49	3B	22	R505	В	293	129	10D	18
R358	В	215	133	5C	20	R432	A	244	51	5D	17	R506	Α	218	137	6A	20
R359	В	222	106	6E	20	R433	В	232	100	7D	20	R507	В	265	29	2C	17
R360	Α	106	88	11D	22	R434	A	136	68	10B	21	R508	В	248 248	53 58	5C 6C	17
R361	A	274 292	80 92	5D 2D	19 19	R435 R436	A	140 198	93	9A 3C	21 20	R509 R510	B	265	34	3C	17
R362 R363	B	220	139	6C	20	R437	В	151	128	9B	12	R511	В	295	52	9B	19
R364	A	179	97	2E	5	R438	В	150	135	8B	12	R512	A	257	35	12B	19
R365	В	29	65	6C	15	R439	В	222	45	5E	12	R513	В	276	91	3B	19
R366	В	29	64	6C	15	R440	В	245	139	11B	20	R514	A	114	119	4A	10
R367	8	28	74	5C	15	R441	В	240	139	10B 5B	20	R515 R517	B	76 223	135	5C 5A	7 20
R368 R369	B	28 60	72	5C 2A	15 7	R442 R443	B	36	113	10B	14	R517	Â	235	142	7A	20
R370	В	57	37	2A	7	R444	В	230	73	10E	20	R519	A	290	47	10D	19
R371	В	59	23	2B	7	R445	Ā	179	15	1A	21	R520	Α	61	52	3C	10
R372	В	59	21	2B	7	R446	В	46	84	6B	16	R521	A	61	48	3D	10
R373	В	84	27	10B	9	R447	B	200	131	4B	20	R522	À	63	134	8F	10
R374	8	81	25	10B	9	R448 R449	B	301 225	141	9C 5E	18 20	R523 R524	AB	262 140	130	11B 2B	19
R375 R376	B	78 75	20 20	10D 10D	9	R449 R450	В	168	77	7C	6	R525	В	139	133	2B	13
R376	В	205	139	5B	20	R451	В	173	43	108	6	R526	B	142	110	2E	13
R378	A	275	103	3E	19	R452	B	169	77	7B	6	R527	В	146	110	2E	13
R379	В	219	139	6C	20	R453	Α	26	68	5C	15	R528	Α	228	135	A8	20
<i>♠</i>	<u> </u>	.1		Ros	nennun/	: EE IQ-	MOL)ULAT	OR			Sprache:		Blatt:		Aei:	
ROHD	E &	SCH	WAR	Designation							Lang.:)	Ch.	9+	01.	8.11	
			Datum:	Mame:							-	100	4.004	00.01			
Typ: Type: SN	AIQ .		Date:							Ŭ.	Pa	art No	<u>.: 108</u>	4.50	JU.U.	ΛŢ	

MICI	ገt—:	Serv	ice-	-Reie	evar	ite Bau	itel	ie / I	von-	-Ser	VICE) - 	reie	vall	CO	71116	Diese	BI.
. Kennz.	Seite		Υ	Planq.	BI.	el. Kennz	Seite	Х	Y	Planq.	BI.	el. Pa	Kennz.	Seite Side	X	Y	Planq.	Pg.
	Side B	291	129	Sqr 10E	<i>Pg</i> 18	Part R603	Side B	113	109	Sqr 5D	<i>Pg</i> 13	R	677	Α	248	109	6A	18
1529 1530	В	296	129	10E	18	R604	В	126	106	3E	13	R	678	Α	259	117	7A	18
531	Ā	248	143	9A	20	R605	В	120	116	4E	13		679 600	A	261 247	119	7B 6A	18
532	Α	197	143	3A	20	R606	В	121	104 117	4D 3D	13 13		680 681	Â	154	49	7F	21
533	B	258	37	3C 4C	17 17	R607 R608	B	127 85	104	3E	8		682	В	244	106	11C	17
534 535	BA	253 194	37 66	90	3	R609	В	15	92	3B	15		684	Α	276	84	4D	19
536	Â	81	32	10A	9	R610	В	72	66	4B	7	R	685	A	290	94	2D 9A	19
537	Α	76	24	10C	9	R611	В	84	41	4C	7		686	A	145	86 82	3A	9
538	A	76	14	10E	9	R612	В	78	42 55	5D 5B	7		687 688	Â	120	65	3B	9
539	A	66	18	10C	9	R613 R614	B	61 14	28	10B	15		689	À	127	72	3C	9
540	В	12 45	91 25	10A 11D	11 7	R615	A	200	96	7B	5		690	A	107	53	3C	9
541 542	B	45	32	11B	7	R616	A	61	139	10A	10		691	В	197	127	4B	20
543	A	245	99	6C	22	R617	В	74	40	4B	7		692	В	228	120	5E	20
544	Α	28	47	10D	11	R618	В	73	41	4D	7		693	В	231	143	7B 6B	20
545	Α	81	59	5B	9	R619	À	63	60	3B	10 10		694 695	B	108	62	3C	4
546	Α	226	73	8D	12	R620	A	114	115	4A 10C	10		696	В	100	62	3C	4
547	ļ A	276	143	8C	18	R621 R622	A	255	38	8C	19		697	В	107	47	3D	4
548	A	246	52	5D 7C	17 18	R623	Â	62	136	10A	10		698	В	105	62	3D	4
549 550	A	277 79	135	5C	9	R624	A	61	50	3C	10	R	1699	В	110	69	4D	4
551	B	180	110	4B	12	R625	A	120	115	4B	10		700	В	110	67	4D	4
552	В	161	114	6B	12	R626	Α	26	93	10B	11		701	B	111	71	4C 4C	4
553	В	276	74	5A	19	R627	A	294	92	5C	19		1702 1703	ВВ	111	93	6C	4
554	В	276	54	7A	19 5	R628 R629	A	12	33	8C 8C	11		1703 1704	В	111	96	7C	4
555	A	207 116	91	5C 4E	13	R630	Â	56	39	8A	9		705	В	110	88	7D	4
556 557	ВВ	116	111	4E	13	R631	Â	41	39	8A	9	F	3706	B	110	91	6D	4
558	В	116	134	4B	13	R632	Α	41	37	7A	9		3707	В	111	90	7D	4
559	B	116	138	4B	13	R633	Α	57	37	7A	9		1708	В	125	86	8D 8C	4
560	Α	187	105	6A	12	R634	A	56	26	8D	9		3709	В	110	97 92	7C	4
561	Α	148	58	8C	21	R635	A	42	26	8D	9		R710 R711	B	125	68	5E	19
562	Α	145	56	9C	21	R636 R637	A	42 56	24	7D	9		3712	B	18	92	3C	15
1563	A	132	54 37	8C 11C	21 19	R638	A	40	34	6B	9		7713	Ā	231	55	5E	12
R564 R565	A	279 273	23	8D	19	R639	Â	205	94	7B	5		R714	В	195	110	3B	12
R566	В	167	45	98	6	R640	A	144	83	10B	21		7715	Α	136	35	10A	3
R567	Ā	177	57	5E	21	R641	В	50	52	2A	16		3716	A	223	68	9A	3
R568	Α	129	36	7A	3	R642	Α	50	89	7B	16		7717	A	118	119	3A 2B	10
3569	Α	129	39	3E	3	R643	A	36	86	7C 4B	16 16		7718 7719	B	178 202	80	8E	3
R570	Α	172	72	5E 5F	21	R644 R645	B	40 266	69 56	4B	22		7720	l Â	126	140	3E	10
R571	A	177 35	72 36	7A	21 9	R646	A	252	83	4C	22		3721	В	196	41	2B	6
7572 7573	A	38	21	7C	9	R647	A	294	74	4D	19		7722	Α	20	33	9C	15
7574	В	150	72	4A	4	R648	В	173	117	5A	12		R723	Α	26	32	9C	15
3575	В	136	75	5A	4	R649	B	169	122	6A	12		R724	A	28	23	9E	15
R576	В	150	65	5B	4	R650	B	147	132	9A	12		R725	A	28 274	27 127	9D 8C	18
7577	В	150	70	58	4	R651	A	255	46	6C 5D	17		R726 R727	B	294	84	4C	19
7578	В	150	60	3B	4	R652 R653	B	225	67	7D	12		R728	A	275	75	6E	19
R579 R580	B	150 134	54 62	3B 3A	4	R654	В	224	67	7D	12		R729	A	294	71	4C	15
7581	В	150	63	3A	4	R655	Ā	224	73	7D	12		R730	В	207	106	3A	12
R582	В	175	58	7A	4	R656	Α	221	73	70	12		R731	В	13	78	5A	1:
₹583	В	174	58	7A	4	R657	A	224	84	8D	12		R732	A	241	86 109	6D 2C	19
R584	В	173	55	7B	4	R658	B	190 262	118	4A 9D	12		R733 R734	В	114	39	3B	3
R585	B	173	61	7B 11C	21	R659 R660	В	227	75	10E	20		R735	В	116	39	3B	3
R586 R587	A B	154 196	83 60	2C	6	R661	A	276	88	3C	19	1	R736	В	118	39	3B	3
R588	A	282	71	5F	19	R662	В	239	142	10B	20	11	R737	В	120	39	3B	3
R589	В	196	47	2A	6	R663	Ā	294	96	2D	19	1 1	R738	8	122	39	3B	3
R590	В	201	39	2A	6	R664	A	299	108	30	19	1 1	R739	В	124	39 39	3B 3B	3
R591	В	199	66	3C	6	R665	В	287	128	11D	18		R740 R741	B	126	44	5C	
R592	В	199	68	3C	6	R666	A	280 98	109	1C 9B	19 22		R742	В	136	46	5C	
R593	В	172	75	78	6	R667 R668	A	145	95	9A	21	$\ \ $	R743	В	136	48	5C	- :
R594 R595	ВВ	205 112	79 132	3D 5B	13	R669	Ιŝ	260	34	30	17		R744	В	136	50	5C	- 1 :
R595 R596	8	100	130	6B	13	R670	В	252	63	6C	17		R745	В	136	52	5C	
R597	A	110	136	3E	5	R671	A	280	61	6C	19		R746	В			5C	
R598	В	126	129	3C	13	R672	Α	281	90	6D	19		R747	В		- 1	5C 5C	
R599	В	127	140	38	13	R673	A	301	65	7D	19	$\ \ $	R748 R749	B	3 .			
R600	В	120	139		13	R674	В	30	112 59	1C	15 21		R750	A			3	
R601	B	100	107	1 -	13	R675	A	154 156	59	7E	21		R751	B				
R602	В	121	127	4B	13	R676	^	130	33	1,-		$oldsymbol{\perp}$						
^				D.	nenr.	ing: EE IQ	-MO	DULA	TOR			Sp	rache:		Blatt	:	Aei:	
60				10	esigna	~_		.ATOF				La	ing.:	l e	Sh.:	10+	C.I.:	08.1
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ROHI	DE 8	& SCI		m: 99-						vame:		<u> </u>		Sachn			300.01	

Nic	ht-	Serv	/ice-	Rel	evar	ite Bau	ıtei	le/	Non	-Ser	VIC	e-Rele	var	IE CC	mp		
el. Kennz.	ì	х	Υ	Planq.		1	Seite	×	Y	Planq.	Bl.	el. Kennz	Seite Side	Х	Υ	Planq.	Bl. Pg
Part R752	Side B	125	97	Sqr 8A	<i>Pg</i> 4	Part R826	Side B	221	119	Sqr 6F	<i>Pg</i> 20	Part R900	A	283	26	3F	19
R753	В	139	96	9A	4	R827	В	221	117	5F	20	R901	Α	260	81	10E	22
R754	Α	134	85	3C	21	R828	В	221	116	5F	20	R902	В	294	50	9B 10E	19 19
R755	A	138	79	11B	21	R829 R830	A	283 281	37	11B 11E	19 19	R903 R904	A B	287 253	54 34	3C	17
R756 R757	B	171 14	71	8B 10B	6 15	R831	Â	244	49	5D	17	R905	Ā	18	75	6E	15
R758	A	24	30	10D	15	R832	Α	273	29	9D	19	R906	В	241	105	11B	17
R759	Α	28	25	10D	15	R833	Α	136	39	10A	3	R907	A	275	35	11D	19
R760	В	90	142	4B 11B	8	R834 R835	A B	163 173	41	6B 9C	21 6	R908 R909	A B	19 175	89 106	6E 5B	15 12
R761 R762	B	90 112	119 119	4A	10	R836	Ā	151	119	6D	10	R910	Ā	37	88	7D	16
R763	В	12	88	10A	11	R837	Α	75	42	5C	9	R911	В	142	86	5A	4
R764	Α	256	87	4C	22	R838	Α	79	57	5B	9	R912	A	154	80	11D	21
R765	B	228 34	41 29	5D 7B	12 9	R839 R840	В	54 110	69 75	10B 11C	16 4	R913 R914	B	201 247	88	4C 5E	5 22
R766 R767	A	36	23	7C	9	R841	B	110	82	8C	4	R915	A	27	96	9A	11
R768	A	229	106	11D	12	R842	В	111	80	5C	4	R916	Α	197	35	2E	21
R769	Α	280	104	10	19	R843	В	102	47	2C	4	R917	A	218	43	8B	3
R770	В	223	77	10E	20 20	R844 R845	B	102 102	127 104	7B 7E	13 13	R918 R919	A	231 136	65 77	8A 11B	3 21
R771 R772	B B	236 282	141 126	11B 11D	18	R846	В	145	135	9A	12	R920	Â	257	71	6F	22
R773	В	175	70	6B	6	R847	Ā	102	35	4E	3	R921	Α	288	39	10B	19
R774	Α	287	77	6C	19	R848	В	104	133	5B	13	R922	В	297	48	108	19
R775	A	282	87	6D	19	R849	B	18 104	97 110	3C 5D	15 13	R923 R924	B	142	128	10B 10B	12 12
R776 R777	A	96 205	90 134	10B 5A	22 20	R850 R851	В	26	140	8B	14	R925	A	252	130	11C	20
R778	Â	14	64	7A	11	R852	В	26	136	8B	14	R926	В	282	133	8E	18
R779	Α	246	47	5E	17	R853	В	49	58	2B	16	R927	A	293	52	9E	19
R780	A	220	116	6D 8A	20 20	R854	B	165 168	115	5B 7B	12 12	R928 R931	A	29 243	79 81	5D 8A	15 17
R781 R782	A	226	131	9C	11	R855 R856	В	262	88	9D	17	R932	A	289	52	10E	19
R783	A	206	50	10D	3	R857	В	182	116	4B	12	R933	В	224	65	7D	12
R784	Α	194	45	10E	3	R858	В	279	91	3B	19	R934	B	220	65	7E	12
R785	В	27 27	20	110	15 15	R859 R860	B	36 15	121	5B 10B	14 14	R935 R936	B	179 38	78 74	6B 9D	6 16
R786 R787	B	16	16 20	11C 11B	15	R861	Ā	17	106	2E	15	R937	B	198	70	3C	6
R788	В	16	16	118	15	R862	Ä	27	83	4D	15	R938	Α	29	77	4D	15
R789	В	49	84	6A	16	R863	В	226	138	7C	20	R939	В	207	135	5B	20
R790	A	54	54	3E 5B	16 21	R864 R865	B	226 277	137 19	7C 8D	20 19	R940 R941	A	288	33	11E 11E	19 19
R791 R792	A	169 185	52 53	4A	21	R866	A	264	95	10D	22	R942	B	195	77	40	6
R793	A	176	68	4B	21	R867	Α	67	105	10C	10	R943	Α	194	131	4D	20
R794	A	171	64	4C	21	R868	A	83	57	5A	9	R944	A	38	76	9D	16
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